

Part Number		Reverse Stand-off Voltage	Breakdown Voltage VBR @ IT		Test Current	Reverse IR @ V
UNI	BI	VRWM	Min.	Max.	IT	UNI
		V	V	V	mA	uA
P4KE440A	P4KE440CA	376	418	462	1	1
P4KE440	P4KE440C	365	396	484	1	1
P4KE400A	P4KE400CA	342	380	420	1	1
P4KE400	P4KE400C	324	360	440	1	1
P4KE350A	P4KE350CA	300	332	368	1	1
P4KE350	P4KE350C	284	315	385	1	1
P4KE300A	P4KE300CA	256	285	315	1	1
P4KE300	P4KE300C	243	270	330	1	1
P4KE250A	P4KE250CA	214	237	263	1	1
P4KE250	P4KE250C	202	225	275	1	1
P4KE220A	P4KE220CA	185	209	231	1	1
P4KE220	P4KE220C	175	198	242	1	1
P4KE200A	P4KE200CA	171	190	210	1	1
P4KE200	P4KE200C	162	180	220	1	1
P4KE180A	P4KE180CA	154	171	189	1	1
P4KE180	P4KE180C	146	162	198	1	1
P4KE170A	P4KE170CA	145	162	179	1	1
P4KE170	P4KE170C	138	153	187	1	1
P4KE160A	P4KE160CA	136	152	168	1	1
P4KE160	P4KE160C	130	144	176	1	1
P4KE150A	P4KE150CA	128	143	158	1	1
P4KE150	P4KE150C	121	135	165	1	1
P4KE130A	P4KE130CA	111	124	137	1	1
P4KE130	P4KE130C	105	117	143	1	1
P4KE120A	P4KE120CA	102	114	126	1	1
P4KE120	P4KE120C	97.2	108	132	1	1
P4KE110A	P4KE110CA	94	105	116	1	1
P4KE110	P4KE110C	89.2	99	121	1	1
P4KE100A	P4KE100CA	85.5	95	105	1	1
P4KE100	P4KE100C	81	90	110	1	1
P4KE91A	P4KE91CA	77.8	86.5	95.5	1	1
P4KE91	P4KE91C	73.7	81.9	100	1	1
P4KE82A	P4KE82CA	70.1	77.9	86.1	1	1
P4KE82	P4KE82C	66.4	73.8	90.2	1	1
P4KE75A	P4KE75CA	64.1	71.3	78.8	1	1

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P4KE75	P4KE75C	60.7	67.5	82.5	1	1
P4KE68A	P4KE68CA	58.1	64.6	71.4	1	1
P4KE68	P4KE68C	55.1	61.2	74.8	1	1
P4KE62A	P4KE62CA	53	58.9	65.1	1	1
P4KE62	P4KE62C	50.2	55.8	68.2	1	1
P4KE56A	P4KE56CA	47.8	53.2	58.8	1	1
P4KE56	P4KE56C	45.6	50.4	61.6	1	1
P4KE51A	P4KE51CA	43.6	48.5	53.6	1	1
3.0SMCJ170/3.0SMCJ170C		170	189	217.5	1	5
3.0SMCJ170	3.0SMCJ170C	170	189	239.5	1	5
3.0SMCJ160/3.0SMCJ160C		160	178	205	1	5
3.0SMCJ160	3.0SMCJ160C	160	178	226	1	5
3.0SMCJ150/3.0SMCJ150C		150	167	192.5	1	5
3.0SMCJ150	3.0SMCJ150C	150	167	211.5	1	5
3.0SMCJ130/3.0SMCJ130C		130	144	165.5	1	5
3.0SMCJ130	3.0SMCJ130C	130	144	182.5	1	5
3.0SMCJ120/3.0SMCJ120C		120	133	153	1	5
3.0SMCJ120	3.0SMCJ120C	120	133	169	1	5
3.0SMCJ110/3.0SMCJ110C		110	122	140.5	1	5
3.0SMCJ110	3.0SMCJ110C	110	122	154.5	1	5
3.0SMCJ100/3.0SMCJ100C		100	111	128	1	5
3.0SMCJ100	3.0SMCJ100C	100	111	141	1	5
3.0SMCJ90A	3.0SMCJ90C	90	100	115.5	1	5
3.0SMCJ90	3.0SMCJ90C	90	100	126.5	1	5
3.0SMCJ85A	3.0SMCJ85C	85	94.4	108.2	1	5
3.0SMCJ85	3.0SMCJ85C	85	94.4	119.2	1	5
3.0SMCJ78A	3.0SMCJ78C	78	86.7	99.7	1	5
3.0SMCJ78	3.0SMCJ78C	78	86.7	109.8	1	5
3.0SMCJ75A	3.0SMCJ75C	75	83.3	95.8	1	5
3.0SMCJ75	3.0SMCJ75C	75	83.3	105.7	1	5
3.0SMCJ70A	3.0SMCJ70C	70	77.8	89.5	1	5
3.0SMCJ70	3.0SMCJ70C	70	77.8	98.6	1	5
3.0SMCJ64A	3.0SMCJ64C	64	71.1	81.8	1	5
3.0SMCJ64	3.0SMCJ64C	64	71.1	90.1	1	5
3.0SMCJ60A	3.0SMCJ60C	60	66.7	76.7	1	5
3.0SMCJ60	3.0SMCJ60C	60	66.7	84.5	1	5
3.0SMCJ58A	3.0SMCJ58C	58	64.4	74.1	1	5
3.0SMCJ58	3.0SMCJ58C	58	64.4	81.6	1	5
3.0SMCJ54A	3.0SMCJ54C	54	60	69	1	5
3.0SMCJ54	3.0SMCJ54C	54	60	76	1	5
3.0SMCJ51A	3.0SMCJ51C	51	56.7	65.2	1	5

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3.0SMCJ51	3.0SMCJ51C	51	56.7	71.8	1	5
3.0SMCJ48A	3.0SMCJ48C	48	53.3	61.3	1	5
3.0SMCJ48	3.0SMCJ48C	48	53.3	67.5	1	5
3.0SMCJ45A	3.0SMCJ45C	45	50	57.5	1	5
3.0SMCJ45	3.0SMCJ45C	45	50	63.3	1	5
3.0SMCJ43A	3.0SMCJ43C	43	47.8	54.9	1	5
3.0SMCJ43	3.0SMCJ43C	43	47.8	60.5	1	5
3.0SMCJ40A	3.0SMCJ40C	40	44.4	51.1	1	5
3.0SMCJ40	3.0SMCJ40C	40	44.4	56.3	1	5
3.0SMCJ36A	3.0SMCJ36C	36	40	46	1	5
3.0SMCJ36	3.0SMCJ36C	36	40	50.7	1	5
3.0SMCJ33A	3.0SMCJ33C	33	36.7	42.2	1	5
3.0SMCJ33	3.0SMCJ33C	33	36.7	46.5	1	5
3.0SMCJ30A	3.0SMCJ30C	30	33.3	38.3	1	5
3.0SMCJ30	3.0SMCJ30C	30	33.3	42.2	1	5
3.0SMCJ28A	3.0SMCJ28C	28	31.1	35.8	1	5
3.0SMCJ28	3.0SMCJ28C	28	31.1	39.4	1	5
3.0SMCJ26A	3.0SMCJ26C	26	28.9	33.2	1	5
3.0SMCJ26	3.0SMCJ26C	26	28.9	36.6	1	5
3.0SMCJ24A	3.0SMCJ24C	24	26.7	30.7	1	5
3.0SMCJ24	3.0SMCJ24C	24	26.7	33.8	1	5
3.0SMCJ22A	3.0SMCJ22C	22	24.4	28	1	5
3.0SMCJ22	3.0SMCJ22C	22	24.4	30.9	1	5
3.0SMCJ20A	3.0SMCJ20C	20	22.2	25.5	1	5
3.0SMCJ20	3.0SMCJ20C	20	22.2	28.1	1	5
3.0SMCJ18A	3.0SMCJ18C	18	20	23.3	1	5
3.0SMCJ18	3.0SMCJ18C	18	20	25.3	1	5
3.0SMCJ17A	3.0SMCJ17C	17	18.9	21.7	1	5
3.0SMCJ17	3.0SMCJ17C	17	18.9	23.9	1	5
3.0SMCJ16A	3.0SMCJ16C	16	17.8	20.5	1	5
3.0SMCJ16	3.0SMCJ16C	16	17.8	22.6	1	5
3.0SMCJ15A	3.0SMCJ15C	15	16.7	19.2	1	5
3.0SMCJ15	3.0SMCJ15C	15	16.7	21.1	1	5
3.0SMCJ14A	3.0SMCJ14C	14	15.6	17.9	1	5
3.0SMCJ14	3.0SMCJ14C	14	15.6	19.8	1	5
3.0SMCJ13A	3.0SMCJ13C	13	14.4	16.5	1	5
3.0SMCJ13	3.0SMCJ13C	13	14.4	18.2	1	5
3.0SMCJ12A	3.0SMCJ12C	12	13.3	15.3	1	5
3.0SMCJ12	3.0SMCJ12C	12	13.3	16.9	1	5
3.0SMCJ11A	3.0SMCJ11C	11	12.2	14	1	5
3.0SMCJ11	3.0SMCJ11C	11	12.2	15.4	1	5

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3.0SMCJ10A	3.0SMCJ10C	10	11.1	12.8	1	5
3.0SMCJ10	3.0SMCJ10C	10	11.1	14.1	1	5
3.0SMCJ9.0A	3.0SMCJ9.0C	9	10	11.5	1	10
3.0SMCJ9.0	3.0SMCJ9.0C	9	10	12.6	1	10
3.0SMCJ8.5A	3.0SMCJ8.5C	8.5	9.44	10.82	1	25
3.0SMCJ8.5	3.0SMCJ8.5C	8.5	9.44	11.92	1	25
3.0SMCJ8.0A	3.0SMCJ8.0C	8	8.89	10.23	1	50
3.0SMCJ8.0	3.0SMCJ8.0C	8	8.89	11.3	1	50
3.0SMCJ7.5A	3.0SMCJ7.5C	7.5	8.33	9.58	1	100
3.0SMCJ7.5	3.0SMCJ7.5C	7.5	8.33	10.67	1	100
3.0SMCJ7.0A	3.0SMCJ7.0C	7	7.78	8.95	10	200
3.0SMCJ7.0	3.0SMCJ7.0C	7	7.78	9.86	10	200
3.0SMCJ6.5A	3.0SMCJ6.5C	6.5	7.22	8.3	10	500
3.0SMCJ6.5	3.0SMCJ6.5C	6.5	7.22	9.14	10	500
3.0SMCJ6.0A	3.0SMCJ6.0C	6	6.67	7.67	10	1000
3.0SMCJ6.0	3.0SMCJ6.0C	6	6.67	8.45	10	1000
3.0SMCJ5.0A	3.0SMCJ5.0C	5	6.4	7.25	10	1000
3.0SMCJ5.0	3.0SMCJ5.0C	5	6.4	7.55	10	1000
SMCJ170A	SMCJ170CA	170	189	217.5	1	5
SMCJ170	SMCJ170C	170	189	239.5	1	5
SMCJ160A	SMCJ160CA	160	178	205	1	5
SMCJ160	SMCJ160C	160	178	226	1	5
SMCJ150A	SMCJ150CA	150	167	192.5	1	5
SMCJ150	SMCJ150C	150	167	211.5	1	5
SMCJ130A	SMCJ130CA	130	144	165.5	1	5
SMCJ130	SMCJ130C	130	144	182.5	1	5
SMCJ120A	SMCJ120CA	120	133	153	1	5
SMCJ120	SMCJ120C	120	133	169	1	5
SMCJ110A	SMCJ110CA	110	122	140.5	1	5
SMCJ110	SMCJ110C	110	122	154.5	1	5
SMCJ100A	SMCJ100CA	100	111	128	1	5
SMCJ100	SMCJ100C	100	111	141	1	5
SMCJ90A	SMCJ90CA	90	100	115.5	1	5
SMCJ90	SMCJ90C	90	100	126.5	1	5
SMCJ85A	SMCJ85CA	85	94.4	108.2	1	5
SMCJ85	SMCJ85C	85	94.4	119.2	1	5
SMCJ78A	SMCJ78CA	78	86.7	99.7	1	5
SMCJ78	SMCJ78C	78	86.7	109.8	1	5
SMCJ75A	SMCJ75CA	75	83.3	95.8	1	5
SMCJ75	SMCJ75C	75	83.3	105.7	1	5
SMCJ70A	SMCJ70CA	70	77.8	89.5	1	5

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SMCJ70	SMCJ70C	70	77.8	98.6	1	5
SMCJ64A	SMCJ64CA	64	71.1	81.8	1	5
SMCJ64	SMCJ64C	64	71.1	90.1	1	5
SMCJ60A	SMCJ60CA	60	66.7	76.7	1	5
SMCJ60	SMCJ60C	60	66.7	84.5	1	5
SMCJ58A	SMCJ58CA	58	64.4	74.1	1	5
SMCJ58	SMCJ58C	58	64.4	81.6	1	5
SMCJ54A	SMCJ54CA	54	60	69	1	5
SMCJ54	SMCJ54C	54	60	76	1	5
SMCJ51A	SMCJ51CA	51	56.7	65.2	1	5
SMCJ51	SMCJ51C	51	56.7	71.8	1	5
SMCJ48A	SMCJ48CA	48	53.3	61.3	1	5
SMCJ48	SMCJ48C	48	53.3	67.5	1	5
SMCJ45A	SMCJ45CA	45	50	57.5	1	5
SMCJ45	SMCJ45C	45	50	63.3	1	5
SMCJ43A	SMCJ43CA	43	47.8	54.9	1	5
SMCJ43	SMCJ43C	43	47.8	60.5	1	5
SMCJ40A	SMCJ40CA	40	44.4	51.1	1	5
SMCJ40	SMCJ40C	40	44.4	56.3	1	5
SMCJ36A	SMCJ36CA	36	40	46	1	5
SMCJ36	SMCJ36C	36	40	50.7	1	5
SMCJ33A	SMCJ33CA	33	36.7	42.2	1	5
SMCJ33	SMCJ33C	33	36.7	46.5	1	5
SMCJ30A	SMCJ30CA	30	33.3	38.3	1	5
SMCJ30	SMCJ30C	30	33.3	42.2	1	5
SMCJ28A	SMCJ28CA	28	31.1	35.8	1	5
SMCJ28	SMCJ28C	28	31.1	39.4	1	5
SMCJ26A	SMCJ26CA	26	28.9	33.2	1	5
SMCJ26	SMCJ26C	26	28.9	36.6	1	5
SMCJ24A	SMCJ24CA	24	26.7	30.7	1	5
SMCJ24	SMCJ24C	24	26.7	33.8	1	5
SMCJ22A	SMCJ22CA	22	24.4	28	1	5
SMCJ22	SMCJ22C	22	24.4	30.9	1	5
SMCJ20A	SMCJ20CA	20	22.2	25.5	1	5
SMCJ20	SMCJ20C	20	22.2	28.1	1	5
SMCJ18A	SMCJ18CA	18	20	23.3	1	5
SMCJ18	SMCJ18C	18	20	25.3	1	5
SMCJ17A	SMCJ17CA	17	18.9	21.7	1	5
SMCJ17	SMCJ17C	17	18.9	23.9	1	5
SMCJ16A	SMCJ16CA	16	17.8	20.5	1	5
SMCJ16	SMCJ16C	16	17.8	22.6	1	5

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SMCJ15A	SMCJ15CA	15	16.7	19.2	1	5
SMCJ15	SMCJ15C	15	16.7	21.1	1	5
SMCJ14A	SMCJ14CA	14	15.6	17.9	1	5
SMCJ14	SMCJ14C	14	15.6	19.8	1	5
SMCJ13A	SMCJ13CA	13	14.4	16.5	1	5
SMCJ13	SMCJ13C	13	14.4	18.2	1	5
SMCJ12A	SMCJ12CA	12	13.3	15.3	1	5
SMCJ12	SMCJ12C	12	13.3	16.9	1	5
SMCJ11A	SMCJ11CA	11	12.2	14	1	5
SMCJ11	SMCJ11C	11	12.2	15.4	1	5
SMCJ10A	SMCJ10CA	10	11.1	12.8	1	5
SMCJ10	SMCJ10C	10	11.1	14.1	1	5
SMCJ9.0A	SMCJ9.0CA	9	10	11.5	1	10
SMCJ9.0	SMCJ9.0C	9	10	12.6	1	10
SMCJ8.5A	SMCJ8.5CA	8.5	9.44	10.82	1	25
SMCJ8.5	SMCJ8.5C	8.5	9.44	11.92	1	25
SMCJ8.0A	SMCJ8.0CA	8	8.89	10.23	1	50
SMCJ8.0	SMCJ8.0C	8	8.89	11.3	1	50
SMCJ7.5A	SMCJ7.5CA	7.5	8.33	9.58	1	100
SMCJ7.5	SMCJ7.5C	7.5	8.33	10.67	1	100
SMCJ7.0A	SMCJ7.0CA	7	7.78	8.95	10	200
SMCJ7.0	SMCJ7.0C	7	7.78	9.86	10	200
SMCJ6.5A	SMCJ6.5CA	6.5	7.22	8.3	10	500
SMCJ6.5	SMCJ6.5C	6.5	7.22	9.14	10	500
SMCJ6.0A	SMCJ6.0CA	6	6.67	7.67	10	1000
SMCJ6.0	SMCJ6.0C	6	6.67	8.45	10	1000
SMCJ5.0A	SMCJ5.0CA	5	6.4	7.25	10	1000
SMCJ5.0	SMCJ5.0C	5	6.4	7.55	10	1000
SMBJ170A	SMBJ170CA	170	189	217.5	1	1
SMBJ170	SMBJ170C	170	189	239.5	1	1
SMBJ160A	SMBJ160CA	160	178	205	1	1
SMBJ160	SMBJ160C	160	178	226	1	1
SMBJ150A	SMBJ150CA	150	167	192.5	1	1
SMBJ150	SMBJ150C	150	167	211.5	1	1
SMBJ130A	SMBJ130CA	130	144	165.5	1	1
SMBJ130	SMBJ130C	130	144	182.5	1	1
SMBJ120A	SMBJ120CA	120	133	153	1	1
SMBJ120	SMBJ120C	120	133	169	1	1
SMBJ110A	SMBJ110CA	110	122	140.5	1	1
SMBJ110	SMBJ110C	110	122	154.5	1	1
SMBJ100A	SMBJ100CA	100	111	128	1	1

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SMBJ100	SMBJ100C	100	111	141	1	1
SMBJ90A	SMBJ90CA	90	100	115.5	1	1
SMBJ90	SMBJ90C	90	100	126.5	1	1
SMBJ85A	SMBJ85CA	85	94.4	108.2	1	1
SMBJ85	SMBJ85C	85	94.4	119.2	1	1
SMBJ78A	SMBJ78CA	78	86.7	99.7	1	1
SMBJ78	SMBJ78C	78	86.7	109.8	1	1
SMBJ75A	SMBJ75CA	75	83.3	95.8	1	1
SMBJ75	SMBJ75C	75	83.3	105.7	1	1
SMBJ70A	SMBJ70CA	70	77.8	89.5	1	1
SMBJ70	SMBJ70C	70	77.8	98.6	1	1
SMBJ64A	SMBJ64CA	64	71.1	81.8	1	1
SMBJ64	SMBJ64C	64	71.1	90.1	1	1
SMBJ60A	SMBJ60CA	60	66.7	76.7	1	1
SMBJ60	SMBJ60C	60	66.7	84.5	1	1
SMBJ58A	SMBJ58CA	58	64.4	74.1	1	1
SMBJ58	SMBJ58C	58	64.4	81.6	1	1
SMBJ54A	SMBJ54CA	54	60	69	1	1
SMBJ54	SMBJ54C	54	60	76	1	1
SMBJ51A	SMBJ51CA	51	56.7	65.2	1	1
SMBJ51	SMBJ51C	51	56.7	71.8	1	1
SMBJ48A	SMBJ48CA	48	53.3	61.3	1	1
SMBJ48	SMBJ48C	48	53.3	67.5	1	1
SMBJ45A	SMBJ45CA	45	50	57.5	1	1
SMBJ45	SMBJ45C	45	50	63.3	1	1
SMBJ43A	SMBJ43CA	43	47.8	54.9	1	1
SMBJ43	SMBJ43C	43	47.8	60.5	1	1
SMBJ40A	SMBJ40CA	40	44.4	51.1	1	1
SMBJ40	SMBJ40C	40	44.4	56.3	1	1
SMBJ36A	SMBJ36CA	36	40	46	1	1
SMBJ36	SMBJ36C	36	40	50.7	1	1
SMBJ33A	SMBJ33CA	33	36.7	42.2	1	1
SMBJ33	SMBJ33C	33	36.7	46.5	1	1
SMBJ30A	SMBJ30CA	30	33.3	38.3	1	1
SMBJ30	SMBJ30C	30	33.3	42.2	1	1
SMBJ28A	SMBJ28CA	28	31.1	35.8	1	1
SMBJ28	SMBJ28C	28	31.1	39.4	1	1
SMBJ26A	SMBJ26CA	26	28.9	33.2	1	1
SMBJ26	SMBJ26C	26	28.9	36.6	1	1
SMBJ24A	SMBJ24CA	24	26.7	30.7	1	1
SMBJ24	SMBJ24C	24	26.7	33.8	1	1

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SMBJ22A	SMBJ22CA	22	24.4	28	1	1
SMBJ22	SMBJ22C	22	24.4	30.9	1	1
SMBJ20A	SMBJ20CA	20	22.2	25.5	1	1
SMBJ20	SMBJ20C	20	22.2	28.1	1	1
SMBJ18A	SMBJ18CA	18	20	23.3	1	1
SMBJ18	SMBJ18C	18	20	25.3	1	1
SMBJ17A	SMBJ17CA	17	18.9	21.7	1	1
SMBJ17	SMBJ17C	17	18.9	23.9	1	1
SMBJ16A	SMBJ16CA	16	17.8	20.5	1	1
SMBJ16	SMBJ16C	16	17.8	22.6	1	1
SMBJ15A	SMBJ15CA	15	16.7	19.2	1	1
SMBJ15	SMBJ15C	15	16.7	21.1	1	1
SMBJ14A	SMBJ14CA	14	15.6	17.9	1	1
SMBJ14	SMBJ14C	14	15.6	19.8	1	1
SMBJ13A	SMBJ13CA	13	14.4	16.5	1	1
SMBJ13	SMBJ13C	13	14.4	18.2	1	1
SMBJ12A	SMBJ12CA	12	13.3	15.3	1	5
SMBJ12	SMBJ12C	12	13.3	16.9	1	5
SMBJ11A	SMBJ11CA	11	12.2	14	1	5
SMBJ11	SMBJ11C	11	12.2	15.4	1	5
SMBJ10A	SMBJ10CA	10	11.1	12.8	1	5
SMBJ10	SMBJ10C	10	11.1	14.1	1	5
SMBJ9.0A	SMBJ9.0CA	9	10	11.5	1	5
SMBJ9.0	SMBJ9.0C	9	10	12.6	1	5
SMBJ8.5A	SMBJ8.5CA	8.5	9.44	10.82	1	10
SMBJ8.5	SMBJ8.5C	8.5	9.44	11.92	1	10
SMBJ8.0A	SMBJ8.0CA	8	8.89	10.23	1	50
SMBJ8.0	SMBJ8.0C	8	8.89	11.3	1	50
SMBJ7.5A	SMBJ7.5CA	7.5	8.33	9.58	1	100
SMBJ7.5	SMBJ7.5C	7.5	8.33	10.67	1	100
SMBJ7.0A	SMBJ7.0CA	7	7.78	8.95	10	200
SMBJ7.0	SMBJ7.0C	7	7.78	9.86	10	200
SMBJ6.5A	SMBJ6.5CA	6.5	7.22	8.3	10	500
SMBJ6.5	SMBJ6.5C	6.5	7.22	9.14	10	500
SMBJ6.0A	SMBJ6.0CA	6	6.67	7.67	10	800
SMBJ6.0	SMBJ6.0C	6	6.67	8.45	10	800
SMBJ5.0A	SMBJ5.0CA	5	6.4	7.25	10	800
SMBJ5.0	SMBJ5.0C	5	6.4	7.55	10	800
SMAJ170A	SMAJ170CA	170	189	217.5	1	1
SMAJ170	SMAJ170C	170	189	239.5	1	1
SMAJ160A	SMAJ160CA	160	178	205	1	1

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SMAJ160	SMAJ160C	160	178	226	1	1
SMAJ150A	SMAJ150CA	150	167	192.5	1	1
SMAJ150	SMAJ150C	150	167	211.5	1	1
SMAJ130A	SMAJ130CA	130	144	165.5	1	1
SMAJ130	SMAJ130C	130	144	182.5	1	1
SMAJ120A	SMAJ120CA	120	133	153	1	1
SMAJ120	SMAJ120C	120	133	169	1	1
SMAJ110A	SMAJ110CA	110	122	140.5	1	1
SMAJ110	SMAJ110C	110	122	154.4	1	1
SMAJ100A	SMAJ100CA	100	111	128	1	1
SMAJ100	SMAJ100C	100	111	141	1	1
SMAJ90A	SMAJ90CA	90	100	115.5	1	1
SMAJ90	SMAJ90C	90	100	126.5	1	1
SMAJ85A	SMAJ85CA	85	94.4	108.2	1	1
SMAJ85	SMAJ85C	85	94.4	119.2	1	1
SMAJ78A	SMAJ78CA	78	86.7	99.7	1	1
SMAJ78	SMAJ78C	78	86.7	109.8	1	1
SMAJ75A	SMAJ75CA	75	83.3	95.8	1	1
SMAJ75	SMAJ75C	75	83.3	105.7	1	1
SMAJ70A	SMAJ70CA	70	77.8	89.5	1	1
SMAJ70	SMAJ70C	70	77.8	98.6	1	1
SMAJ64A	SMAJ64CA	64	71.1	81.8	1	1
SMAJ64	SMAJ64C	64	71.1	90.1	1	1
SMAJ60A	SMAJ60CA	60	66.7	76.7	1	1
SMAJ60	SMAJ60C	60	66.7	84.5	1	1
SMAJ58A	SMAJ58CA	58	64.4	74.1	1	1
SMAJ58	SMAJ58C	58	64.4	81.6	1	1
SMAJ54A	SMAJ54CA	54	60	69	1	1
SMAJ54	SMAJ54C	54	60	76	1	1
SMAJ51A	SMAJ51CA	51	56.7	65.2	1	1
SMAJ51	SMAJ51C	51	56.7	71.8	1	1
SMAJ48A	SMAJ48CA	48	53.3	61.3	1	1
SMAJ48	SMAJ48C	48	53.3	67.5	1	1
SMAJ45A	SMAJ45CA	45	50	57.5	1	1
SMAJ45	SMAJ45C	45	50	63.3	1	1
SMAJ43A	SMAJ43CA	43	47.8	54.9	1	1
SMAJ43	SMAJ43C	43	47.8	60.5	1	1
SMAJ40A	SMAJ40CA	40	44.4	51.1	1	1
SMAJ40	SMAJ40C	40	44.4	56.3	1	1
SMAJ36A	SMAJ36CA	36	40	46	1	1
SMAJ36	SMAJ36C	36	40	20.5	1	1

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SMAJ33A	SMAJ33CA	33	36.7	42.2	1	1
SMAJ33	SMAJ33C	33	36.7	46.5	1	1
SMAJ30A	SMAJ30CA	30	33.3	38.3	1	1
SMAJ30	SMAJ30C	30	33.3	42.2	1	1
SMAJ28A	SMAJ28CA	28	31.1	35.8	1	1
SMAJ28	SMAJ28C	28	31.1	39.4	1	1
SMAJ26A	SMAJ26CA	26	28.9	33.2	1	1
SMAJ26	SMAJ26C	26	28.9	36.6	1	1
SMAJ24A	SMAJ24CA	24	26.7	30.7	1	1
SMAJ24	SMAJ24C	24	26.7	33.8	1	1
SMAJ22A	SMAJ22CA	22	24.4	28	1	1
SMAJ22	SMAJ22C	22	24.4	30.9	1	1
SMAJ20A	SMAJ20CA	20	22.2	25.5	1	1
SMAJ20	SMAJ20C	20	22.2	28.1	1	1
SMAJ18A	SMAJ18CA	18	20	23.3	1	1
SMAJ18	SMAJ18C	18	20	25.3	1	1
SMAJ17A	SMAJ17CA	17	18.9	21.7	1	1
SMAJ17	SMAJ17C	17	18.9	23.9	1	1
SMAJ16A	SMAJ16CA	16	17.8	20.5	1	1
SMAJ16	SMAJ16C	16	17.8	22.6	1	1
SMAJ15A	SMAJ15CA	15	16.7	19.2	1	1
SMAJ15	SMAJ15C	15	16.7	21.1	1	1
SMAJ14A	SMAJ14CA	14	15.6	17.9	1	1
SMAJ14	SMAJ14C	14	15.6	19.8	1	1
SMAJ13A	SMAJ13CA	13	14.4	16.5	1	1
SMAJ13	SMAJ13C	13	14.4	18.2	1	1
SMAJ12A	SMAJ12CA	12	13.3	15.3	1	1
SMAJ12	SMAJ12C	12	13.3	16.9	1	1
SMAJ11A	SMAJ11CA	11	12.2	14	1	1
SMAJ11	SMAJ11C	11	12.2	15.4	1	1
SMAJ10A	SMAJ10CA	10	11.1	12.8	1	1
SMAJ10	SMAJ10C	10	11.1	14.1	1	1
SMAJ9.0A	SMAJ9.0CA	9	10	11.5	1	5
SMAJ9.0	SMAJ9.0C	9	10	12.6	1	5
SMAJ8.5A	SMAJ8.5CA	8.5	9.44	10.82	1	10
SMAJ8.5	SMAJ8.5C	8.5	9.44	11.92	1	10
SMAJ8.0A	SMAJ8.0CA	8	8.89	10.23	1	50
SMAJ8.0	SMAJ8.0C	8	8.89	11.3	1	50
SMAJ7.5A	SMAJ7.5CA	7.5	8.33	9.58	1	100
SMAJ7.5	SMAJ7.5C	7.5	8.33	10.67	1	100
SMAJ7.0A	SMAJ7.0CA	7	7.78	8.95	10	200

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SMAJ7.0	SMAJ7.0C	7	7.78	9.86	10	200
SMAJ6.5A	SMAJ6.5CA	6.5	7.22	8.3	10	500
SMAJ6.5	SMAJ6.5C	6.5	7.22	9.14	10	500
SMAJ6.0A	SMAJ6.0CA	6	6.67	7.67	10	800
SMAJ6.0	SMAJ6.0C	6	6.67	8.45	10	800
SMAJ5.0A	SMAJ5.0CA	5	6.4	7.25	10	800
SMAJ5.0	SMAJ5.0C	5	6.4	7.55	10	800
5KP220A	5KP220CA	220	242	281.6	1	5
5KP220	5KP220C	220	242	310.2	1	5
5KP210A	5KP210CA	210	231	268.8	1	5
5KP210	5KP210C	210	231	296.1	1	5
5KP200A	5KP200CA	200	220	256	1	5
5KP200	5KP200C	200	220	282	1	5
5KP190A	5KP190CA	190	209	243.2	1	5
5KP190	5KP190C	190	209	267.9	1	5
5KP180A	5KP180CA	180	198	230.4	1	5
5KP180	5KP180C	180	198	253.8	1	5
5KP170A	5KP170CA	170	189	217.5	5	10
5KP170	5KP170C	170	189	239.5	5	10
5KP160A	5KP160CA	160	178	205	5	10
5KP160	5KP160C	160	178	226	5	10
5KP150A	5KP150CA	150	167	192.5	5	10
5KP150	5KP150C	150	167	211.5	5	10
5KP130A	5KP130CA	130	144	165.5	5	10
5KP130	5KP130C	130	144	182.5	5	10
5KP120A	5KP120CA	120	133	153	5	10
5KP120	5KP120C	120	133	169	5	10
5KP110A	5KP110CA	110	122	140.5	5	10
5KP110	5KP110C	110	122	154.4	5	10
5KP100A	5KP100CA	100	111	128	5	10
5KP100	5KP100C	100	111	141	5	10
5KP90A	5KP90CA	90	100	115.5	5	10
5KP90	5KP90C	90	100	126.5	5	10
5KP85A	5KP85CA	85	94.4	108.2	5	10
5KP85	5KP85C	85	94.4	119.2	5	10
5KP78A	5KP78CA	78	86.7	99.7	5	10
5KP78	5KP78C	78	86.7	109.8	5	10
5KP75A	5KP75CA	75	83.3	95.8	5	10
5KP75	5KP75C	75	83.3	105.7	5	10
5KP70A	5KP70CA	70	77.8	89.5	5	10
5KP70	5KP70C	70	77.8	98.6	5	10

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5KP64A	5KP64CA	64	71.1	81.8	5	10
5KP64	5KP64C	64	71.1	90.1	5	10
5KP60A	5KP60CA	60	66.7	76.7	5	10
5KP60	5KP60C	60	66.7	84.5	5	10
5KP58A	5KP58CA	58	64.4	74.1	5	10
5KP58	5KP58C	58	64.4	81.6	5	10
5KP54A	5KP54CA	54	60	69	5	10
5KP54	5KP54C	54	60	76	5	10
5KP51A	5KP51CA	51	56.7	65.2	5	10
5KP51	5KP51C	51	56.7	71.8	5	10
5KP48A	5KP48CA	48	53.3	61.3	5	10
5KP48	5KP48C	48	53.3	67.5	5	10
5KP45A	5KP45CA	45	50	57.5	5	10
5KP45	5KP45C	45	50	63.3	5	10
5KP43A	5KP43CA	43	47.8	54.9	5	10
5KP43	5KP43C	43	47.8	60.5	5	10
5KP40A	5KP40CA	40	44.4	51.1	5	10
5KP40	5KP40C	40	44.4	56.3	5	10
5KP36A	5KP36CA	36	40	46	5	10
5KP36	5KP36C	36	40	20.5	5	10
5KP33A	5KP33CA	33	36.7	42.2	5	10
5KP33	5KP33C	33	36.7	46.5	5	10
5KP30A	5KP30CA	30	33.3	38.3	5	10
5KP30	5KP30C	30	33.3	42.2	5	10
5KP28A	5KP28CA	28	31.1	35.8	5	10
5KP28	5KP28C	28	31.1	39.4	5	10
5KP26A	5KP26CA	26	28.9	33.2	5	10
5KP26	5KP26C	26	28.9	36.6	5	10
5KP24A	5KP24CA	24	26.7	30.7	5	10
5KP24	5KP24C	24	26.7	33.8	5	10
5KP22A	5KP22CA	22	24.4	28	5	10
5KP22	5KP22C	22	24.4	30.9	5	10
5KP20A	5KP20CA	20	22.2	25.5	5	10
5KP20	5KP20C	20	22.2	28.1	5	10
5KP18A	5KP18CA	18	20	23.3	5	10
5KP18	5KP18C	18	20	25.3	5	10
5KP17A	5KP17CA	17	18.9	21.7	5	10
5KP17	5KP17C	17	18.9	23.9	5	10
5KP16A	5KP16CA	16	17.8	20.5	5	10
5KP16	5KP16C	16	17.8	22.6	5	10
5KP15A	5KP15CA	15	16.7	19.2	5	10

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5KP15	5KP15C	15	16.7	21.1	5	10
5KP14A	5KP14CA	14	15.6	17.9	5	10
5KP14	5KP14C	14	15.6	19.8	5	10
5KP13A	5KP13CA	13	14.4	16.5	5	10
5KP13	5KP13C	13	14.4	18.2	5	10
5KP12A	5KP12CA	12	13.3	15.3	5	10
5KP12	5KP12C	12	13.3	16.9	5	10
5KP11A	5KP11CA	11	12.2	14	5	10
5KP11	5KP11C	11	12.2	15.4	5	10
5KP10A	5KP10CA	10	11.1	12.8	5	10
5KP10	5KP10C	10	11.1	14.1	5	10
5KP9.0A	5KP9.0CA	9	10	11.5	5	20
5KP9.0	5KP9.0C	9	10	12.6	5	20
5KP8.5A	5KP8.5CA	8.5	9.44	10.82	5	50
5KP8.5	5KP8.5C	8.5	9.44	11.92	5	50
5KP8.0A	5KP8.0CA	8	8.89	10.23	5	150
5KP8.0	5KP8.0C	8	8.89	11.3	5	150
5KP7.5A	5KP7.5CA	7.5	8.33	9.58	5	250
5KP7.5	5KP7.5C	7.5	8.33	10.67	5	250
5KP7.0A	5KP7.0CA	7	7.78	8.95	50	1000
5KP7.0	5KP7.0C	7	7.78	9.86	50	1000
5KP6.5A	5KP6.5CA	6.5	7.22	8.3	50	2000
5KP6.5	5KP6.5C	6.5	7.22	9.14	50	2000
5KP6.0A	5KP6.0CA	6	6.67	7.67	50	5000
5KP6.0	5KP6.0C	6	6.67	8.45	50	5000
5KP5.0A	5KP5.0CA	5	6.4	7.25	50	5000
5KP5.0	5KP5.0C	5	6.4	7.55	50	5000
3KP220A	3KP220CA	220	242	281.6	1	5
3KP220	3KP220C	220	242	310.2	1	5
3KP210A	3KP210CA	210	231	268.8	1	5
3KP210	3KP210C	210	231	296.1	1	5
3KP200A	3KP200CA	200	220	256	1	5
3KP200	3KP200C	200	220	282	1	5
3KP190A	3KP190CA	190	209	243.2	1	5
3KP190	3KP190C	190	209	267.9	1	5
3KP180A	3KP180CA	180	198	230.4	1	5
3KP180	3KP180C	180	198	253.8	1	5
3KP170A	3KP170CA	170	189	217.5	1	5
3KP170	3KP170C	170	189	239.5	1	5
3KP160A	3KP160CA	160	178	205	1	5
3KP160	3KP160C	160	178	226	1	5

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3KP150A	3KP150CA	150	167	192.5	1	5
3KP150	3KP150C	150	167	211.5	1	5
3KP130A	3KP130CA	130	144	165.5	1	5
3KP130	3KP130C	130	144	182.5	1	5
3KP120A	3KP120CA	120	133	153	1	5
3KP120	3KP120C	120	133	169	1	5
3KP110A	3KP110CA	110	122	140.5	1	5
3KP110	3KP110C	110	122	154.4	1	5
3KP100A	3KP100CA	100	111	128	1	5
3KP100	3KP100C	100	111	141	1	5
3KP90A	3KP90CA	90	100	115.5	1	5
3KP90	3KP90C	90	100	126.5	1	5
3KP85A	3KP85CA	85	94.4	108.2	1	5
3KP85	3KP85C	85	94.4	119.2	1	5
3KP78A	3KP78CA	78	86.7	99.7	1	5
3KP78	3KP78C	78	86.7	109.8	1	5
3KP75A	3KP75CA	75	83.3	95.8	1	5
3KP75	3KP75C	75	83.3	105.7	1	5
3KP70A	3KP70CA	70	77.8	89.5	1	5
3KP70	3KP70C	70	77.8	98.6	1	5
3KP64A	3KP64CA	64	71.1	81.8	1	5
3KP64	3KP64C	64	71.1	90.1	1	5
3KP60A	3KP60CA	60	66.7	76.7	1	5
3KP60	3KP60C	60	66.7	84.5	1	5
3KP58A	3KP58CA	58	64.4	74.1	1	5
3KP58	3KP58C	58	64.4	81.6	1	5
3KP54A	3KP54CA	54	60	69	1	5
3KP54	3KP54C	54	60	76	1	5
3KP51A	3KP51CA	51	56.7	65.2	1	5
3KP51	3KP51C	51	56.7	71.8	1	5
3KP48A	3KP48CA	48	53.3	61.3	1	5
3KP48	3KP48C	48	53.3	67.5	1	5
3KP45A	3KP45CA	45	50	57.5	1	5
3KP45	3KP45C	45	50	63.3	1	5
3KP43A	3KP43CA	43	47.8	54.9	1	5
3KP43	3KP43C	43	47.8	60.5	1	5
3KP40A	3KP40CA	40	44.4	51.1	1	5
3KP40	3KP40C	40	44.4	56.3	1	5
3KP36A	3KP36CA	36	40	46	1	5
3KP36	3KP36C	36	40	20.5	1	5
3KP33A	3KP33CA	33	36.7	42.2	1	5

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3KP33	3KP33C	33	36.7	46.5	1	5
3KP30A	3KP30CA	30	33.3	38.3	1	5
3KP30	3KP30C	30	33.3	42.2	1	5
3KP28A	3KP28CA	28	31.1	35.8	1	5
3KP28	3KP28C	28	31.1	39.4	1	5
3KP26A	3KP26CA	26	28.9	33.2	1	5
3KP26	3KP26C	26	28.9	36.6	1	5
3KP24A	3KP24CA	24	26.7	30.7	1	5
3KP24	3KP24C	24	26.7	33.8	1	5
3KP22A	3KP22CA	22	24.4	28	1	5
3KP22	3KP22C	22	24.4	30.9	1	5
3KP20A	3KP20CA	20	22.2	25.5	1	5
3KP20	3KP20C	20	22.2	28.1	1	5
3KP18A	3KP18CA	18	20	23.3	1	5
3KP18	3KP18C	18	20	25.3	1	5
3KP17A	3KP17CA	17	18.9	21.7	1	5
3KP17	3KP17C	17	18.9	23.9	1	5
3KP16A	3KP16CA	16	17.8	20.5	1	5
3KP16	3KP16C	16	17.8	22.6	1	5
3KP15A	3KP15CA	15	16.7	19.2	1	5
3KP15	3KP15C	15	16.7	21.1	1	5
3KP14A	3KP14CA	14	15.6	17.9	1	5
3KP14	3KP14C	14	15.6	19.8	1	5
3KP13A	3KP13CA	13	14.4	16.5	1	5
3KP13	3KP13C	13	14.4	18.2	1	5
3KP12A	3KP12CA	12	13.3	15.3	1	5
3KP12	3KP12C	12	13.3	16.9	1	5
3KP11A	3KP11CA	11	12.2	14	1	5
3KP11	3KP11C	11	12.2	15.4	1	5
3KP10A	3KP10CA	10	11.1	12.8	1	5
3KP10	3KP10C	10	11.1	14.1	1	5
3KP9.0A	3KP9.0CA	9	10	11.5	1	10
3KP9.0	3KP9.0C	9	10	12.6	1	10
3KP8.5A	3KP8.5CA	8.5	9.44	10.82	1	25
3KP8.5	3KP8.5C	8.5	9.44	11.92	1	25
3KP8.0A	3KP8.0CA	8	8.89	10.23	1	50
3KP8.0	3KP8.0C	8	8.89	11.3	1	50
3KP7.5A	3KP7.5CA	7.5	8.33	9.58	1	100
3KP7.5	3KP7.5C	7.5	8.33	10.67	1	100
3KP7.0A	3KP7.0CA	7	7.78	8.95	10	200
3KP7.0	3KP7.0C	7	7.78	9.86	10	200

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3KP6.5A	3KP6.5CA	6.5	7.22	8.3	10	500
3KP6.5	3KP6.5C	6.5	7.22	9.14	10	500
3KP6.0A	3KP6.0CA	6	6.67	7.67	10	1000
3KP6.0	3KP6.0C	6	6.67	8.45	10	1000
3KP5.0A	3KP5.0CA	5	6.4	7.25	10	1000
3KP5.0	3KP5.0C	5	6.4	7.55	10	1000
1.5KE440A	1.5KE440CA	376	418	462	1	1
1.5KE440	1.5KE440C	356	396	484	1	1
1.5KE400A	1.5KE400CA	342	380	420	1	1
1.5KE400	1.5KE400C	324	360	440	1	1
1.5KE350A	1.5KE350CA	300	332	368	1	1
1.5KE350	1.5KE350C	284	315	385	1	1
1.5KE300A	1.5KE300CA	256	285	315	1	1
1.5KE300	1.5KE300C	243	270	330	1	1
1.5KE250A	1.5KE250CA	214	237	263	1	1
1.5KE250	1.5KE250C	202	225	275	1	1
1.5KE220A	1.5KE220CA	185	209	231	1	1
1.5KE220	1.5KE220C	175	198	242	1	1
1.5KE200A	1.5KE200CA	171	190	210	1	1
1.5KE200	1.5KE200C	162	180	220	1	1
1.5KE180A	1.5KE180CA	154	171	189	1	1
1.5KE180	1.5KE180C	146	162	198	1	1
1.5KE170A	1.5KE170CA	145	162	179	1	1
1.5KE170	1.5KE170C	138	153	187	1	1
1.5KE160A	1.5KE160CA	136	152	168	1	1
1.5KE160	1.5KE160C	130	144	176	1	1
1.5KE150A	1.5KE150CA	128	143	158	1	1
1.5KE150	1.5KE150C	121	135	165	1	1
1.5KE130A	1.5KE130CA	111	124	137	1	1
1.5KE130	1.5KE130C	105	117	143	1	1
1.5KE120A	1.5KE120CA	102	114	126	1	1
1.5KE120	1.5KE120C	97.2	108	132	1	1
1.5KE110A	1.5KE110CA	94	105	116	1	1
1.5KE110	1.5KE110C	89.2	99	121	1	1
1.5KE100A	1.5KE100CA	85.5	95	105	1	1
1.5KE100	1.5KE100C	81	90	110	1	1
1.5KE91A	1.5KE91CA	77.8	86.5	95.5	1	1
1.5KE91	1.5KE91C	73.7	81.9	100	1	1
1.5KE82A	1.5KE82CA	70.1	77.9	86.1	1	1
1.5KE82	1.5KE82C	66.4	73.8	90.2	1	1
1.5KE75A	1.5KE75CA	64.1	71.3	78.8	1	1

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1.5KE75	1.5KE75C	60.7	67.5	82.5	1	1
1.5KE68A	1.5KE68CA	58.1	64.6	71.4	1	1
1.5KE68	1.5KE68C	55.1	61.2	74.8	1	1
1.5KE62A	1.5KE62CA	53	58.9	65.1	1	1
1.5KE62	1.5KE62C	50.2	55.8	68.2	1	1
1.5KE56A	1.5KE56CA	47.8	53.2	58.8	1	1
1.5KE56	1.5KE56C	45.6	50.4	61.6	1	1
1.5KE51A	1.5KE51CA	43.6	48.5	53.6	1	1
1.5KE51	1.5KE51C	41.3	45.9	56.1	1	1
1.5KE47A	1.5KE47CA	40.2	44.7	49.4	1	1
1.5KE47	1.5KE47C	38.1	42.3	51.7	1	1
1.5KE43A	1.5KE43CA	36.8	40.9	45.2	1	1
1.5KE43	1.5KE43C	34.8	38.7	47.3	1	1
1.5KE39A	1.5KE39CA	33.3	37.1	41	1	1
1.5KE39	1.5KE39C	31.6	35.1	42.9	1	1
1.5KE36A	1.5KE36CA	30.8	34.2	37.8	1	1
1.5KE36	1.5KE36C	29.1	32.4	39.6	1	1
1.5KE33A	1.5KE33CA	28.2	31.4	34.7	1	1
1.5KE33	1.5KE33C	26.8	29.7	36.3	1	1
1.5KE30A	1.5KE30CA	25.6	28.5	31.5	1	1
1.5KE30	1.5KE30C	24.3	27	33	1	1
1.5KE27A	1.5KE27CA	23.1	25.7	28.4	1	1
1.5KE27	1.5KE27C	21.8	24.3	29.7	1	1
1.5KE24A	1.5KE24CA	20.5	22.8	25.2	1	1
1.5KE24	1.5KE24C	19.4	21.6	26.4	1	1
1.5KE22A	1.5KE22CA	18.8	20.9	23.1	1	1
1.5KE22	1.5KE22C	17.8	19.8	24.2	1	1
1.5KE20A	1.5KE20CA	17.1	19	21	1	1
1.5KE20	1.5KE20C	16.2	18	22	1	1
1.5KE18A	1.5KE18CA	15.3	17.1	18.9	1	1
1.5KE18	1.5KE18C	14.5	16.2	19.8	1	1
1.5KE16A	1.5KE16CA	13.6	15.2	16.8	1	1
1.5KE16	1.5KE16C	12.9	14.4	17.6	1	1
1.5KE15A	1.5KE15CA	12.8	14.3	15.8	1	1
1.5KE15	1.5KE15C	12.1	13.5	16.5	1	1
1.5KE13A	1.5KE13CA	11.1	12.4	13.7	1	1
1.5KE13	1.5KE13C	10.5	11.7	14.3	1	1
1.5KE12A	1.5KE12CA	10.2	11.4	12.6	1	1
1.5KE12	1.5KE12C	9.72	10.8	13.2	1	1
1.5KE11A	1.5KE11CA	9.4	10.5	11.6	1	5
1.5KE11	1.5KE11C	8.92	9.9	12.1	1	5

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1.5KE10A	1.5KE10CA	8.55	9.5	10.5	1	10
1.5KE10	1.5KE10C	8.1	9	11	1	10
1.5KE9.1A	1.5KE9.1CA	7.78	8.65	9.5	1	50
1.5KE9.1	1.5KE9.1C	7.37	8.19	10	1	50
1.5KE8.2A	1.5KE8.2CA	7.02	7.79	8.61	10	200
1.5KE8.2	1.5KE8.2C	6.63	7.38	9.02	10	200
1.5KE7.5A	1.5KE7.5CA	6.4	7.13	7.88	10	500
1.5KE7.5	1.5KE7.5C	6.05	6.75	8.25	10	500
1.5KE6.8A	1.5KE6.8CA	5.8	6.45	7.14	10	1000
1.5KE6.8	1.5KE6.8C	5.5	6.12	7.48	10	1000
P6KE440A	P6KE440CA	376	418	462	1	1
P6KE440	P6KE440C	356	396	484	1	1
P6KE400A	P6KE400CA	342	380	420	1	1
P6KE400	P6KE400C	324	360	440	1	1
P6KE350A	P6KE350CA	300	332	368	1	1
P6KE350	P6KE350C	284	315	385	1	1
P6KE300A	P6KE300CA	256	285	315	1	1
P6KE300	P6KE300C	243	270	330	1	1
P6KE250A	P6KE250CA	214	237	263	1	1
P6KE250	P6KE250C	202	225	275	1	1
P6KE220A	P6KE220CA	185	209	231	1	1
P6KE220	P6KE220C	175	198	242	1	1
P6KE200A	P6KE200CA	171	190	210	1	1
P6KE200	P6KE200C	162	180	220	1	1
P6KE180A	P6KE180CA	154	171	189	1	1
P6KE180	P6KE180C	146	162	198	1	1
P6KE170A	P6KE170CA	145	162	179	1	1
P6KE170	P6KE170C	138	153	187	1	1
P6KE160A	P6KE160CA	136	152	168	1	1
P6KE160	P6KE160C	130	144	176	1	1
P6KE150A	P6KE150CA	128	143	158	1	1
P6KE150	P6KE150C	121	135	165	1	1
P6KE130A	P6KE130CA	111	124	137	1	1
P6KE130	P6KE130C	105	117	143	1	1
P6KE120A	P6KE120CA	102	114	126	1	1
P6KE120	P6KE120C	97.2	108	132	1	1
P6KE110A	P6KE110CA	94	105	116	1	1
P6KE110	P6KE110C	89.2	99	121	1	1
P6KE100A	P6KE100CA	85.5	95	105	1	1
P6KE100	P6KE100C	81	90	110	1	1
P6KE91A	P6KE91CA	77.8	86.5	95.5	1	1

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P6KE91	P6KE91C	73.7	81.9	100	1	1
P6KE82A	P6KE82CA	70.1	77.9	86.1	1	1
P6KE82	P6KE82C	66.4	73.8	90.2	1	1
P6KE75A	P6KE75CA	64.1	71.3	78.8	1	1
P6KE75	P6KE75C	60.7	67.5	82.5	1	1
P6KE68A	P6KE68CA	58.1	64.6	71.4	1	1
P6KE68	P6KE68C	55.1	61.2	74.8	1	1
P6KE62A	P6KE62CA	53	58.9	65.1	1	1
P6KE62	P6KE62C	50.2	55.8	68.2	1	1
P6KE56A	P6KE56CA	47.8	53.2	58.8	1	1
P6KE56	P6KE56C	45.6	50.4	61.6	1	1
P6KE51A	P6KE51CA	43.6	48.5	53.6	1	1
P6KE51	P6KE51C	41.3	45.9	56.1	1	1
P6KE47A	P6KE47CA	40.2	44.7	49.4	1	1
P6KE47	P6KE47C	38.1	42.3	51.7	1	1
P6KE43A	P6KE43CA	36.8	40.9	45.2	1	1
P6KE43	P6KE43C	34.8	38.7	47.3	1	1
P6KE39A	P6KE39CA	33.3	37.1	41	1	1
P6KE39	P6KE39C	31.6	35.1	42.9	1	1
P6KE36A	P6KE36CA	30.8	34.2	37.8	1	1
P6KE36	P6KE36C	29.1	32.4	39.6	1	1
P6KE33A	P6KE33CA	28.2	31.4	34.7	1	1
P6KE33	P6KE33C	26.8	29.7	36.3	1	1
P6KE30A	P6KE30CA	25.6	28.5	31.5	1	1
P6KE30	P6KE30C	24.3	27	33	1	1
P6KE27A	P6KE27CA	23.1	25.7	28.4	1	1
P6KE27	P6KE27C	21.8	24.3	29.7	1	1
P6KE24A	P6KE24CA	20.5	22.8	25.2	1	1
P6KE24	P6KE24C	19.4	21.6	26.4	1	1
P6KE22A	P6KE22CA	18.8	20.9	23.1	1	1
P6KE22	P6KE22C	17.8	19.8	24.2	1	1
P6KE20A	P6KE20CA	17.1	19	21	1	1
P6KE20	P6KE20C	16.2	18	22	1	1
P6KE18A	P6KE18CA	15.3	17.1	18.9	1	1
P6KE18	P6KE18C	14.5	16.2	19.8	1	1
P6KE16A	P6KE16CA	13.6	15.2	16.8	1	1
P6KE16	P6KE16C	12.9	14.4	17.6	1	1
P6KE15A	P6KE15CA	12.8	14.3	15.8	1	1
P6KE15	P6KE15C	12.1	13.5	16.5	1	1
P6KE13A	P6KE13CA	11.1	12.4	13.7	1	1
P6KE13	P6KE13C	10.5	11.7	14.3	1	1

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P6KE12A	P6KE12CA	10.2	11.4	12.6	1	1
P6KE12	P6KE12C	9.72	10.8	13.2	1	1
P6KE11A	P6KE11CA	9.4	10.5	11.6	1	5
P6KE11	P6KE11C	8.92	9.9	12.1	1	5
P6KE10A	P6KE10CA	8.55	9.5	10.5	1	10
P6KE10	P6KE10C	8.1	9	11	1	10
P6KE9.1A	P6KE9.1CA	7.78	8.65	9.5	1	50
P6KE9.1	P6KE9.1C	7.37	8.19	10	1	50
P6KE8.2A	P6KE8.2CA	7.02	7.79	8.61	10	200
P6KE8.2	P6KE8.2C	6.63	7.38	9.02	10	200
P6KE7.5A	P6KE7.5CA	6.4	7.13	7.88	10	500
P6KE7.5	P6KE7.5C	6.05	6.75	8.25	10	500
P6KE6.8A	P6KE6.8CA	5.8	6.45	7.14	10	1000
P6KE6.8	P6KE6.8C	5.5	6.12	7.48	10	1000
SA220A	SA220CA	220	242	281.6	1	1
SA220	SA220C	220	242	310.2	1	1
SA210A	SA210CA	210	231	268.8	1	1
SA210	SA210C	210	231	296.1	1	1
SA200A	SA200CA	200	220	256	1	1
SA200	SA200C	200	220	282	1	1
SA190A	SA190CA	190	209	243.2	1	1
SA190	SA190C	190	209	267.9	1	1
SA180A	SA180CA	180	198	230.4	1	1
SA180	SA180C	180	198	253.8	1	1
SA170A	SA170CA	170	189	217.5	1	1
SA170	SA170C	170	189	239.5	1	1
SA160A	SA160CA	160	178	205	1	1
SA160	SA160C	160	178	226	1	1
SA150A	SA150CA	150	167	192.5	1	1
SA150	SA150C	150	167	211.5	1	1
SA130A	SA130CA	130	144	165.5	1	1
SA130	SA130C	130	144	182.5	1	1
SA120A	SA120CA	120	133	153	1	1
SA120	SA120C	120	133	169	1	1
SA110A	SA110CA	110	122	140.5	1	1
SA110	SA110C	110	122	154.4	1	1
SA100A	SA100CA	100	111	128	1	1
SA100	SA100C	100	111	141	1	1
SA90A	SA90CA	90	100	115.5	1	1
SA90	SA90C	90	100	126.5	1	1
SA85A	SA85CA	85	94.4	108.2	1	1

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SA85	SA85C	85	94.4	119.2	1	1
SA78A	SA78CA	78	86.7	99.7	1	1
SA78	SA78C	78	86.7	109.8	1	1
SA75A	SA75CA	75	83.3	95.8	1	1
SA75	SA75C	75	83.3	105.7	1	1
SA70A	SA70CA	70	77.8	89.5	1	1
SA70	SA70C	70	77.8	98.6	1	1
SA64A	SA64CA	64	71.1	81.8	1	1
SA64	SA64C	64	71.1	90.1	1	1
SA60A	SA60CA	60	66.7	76.7	1	1
SA60	SA60C	60	66.7	84.5	1	1
SA58A	SA58CA	58	64.4	74.1	1	1
SA58	SA58C	58	64.4	81.6	1	1
SA54A	SA54CA	54	60	69	1	1
SA54	SA54C	54	60	76	1	1
SA51A	SA51CA	51	56.7	65.2	1	1
SA51	SA51C	51	56.7	71.8	1	1
SA48A	SA48CA	48	53.3	61.3	1	1
SA48	SA48C	48	53.3	67.5	1	1
SA45A	SA45CA	45	50	57.5	1	1
SA45	SA45C	45	50	63.3	1	1
SA43A	SA43CA	43	47.8	54.9	1	1
SA43	SA43C	43	47.8	60.5	1	1
SA40A	SA40CA	40	44.4	51.1	1	1
SA40	SA40C	40	44.4	56.3	1	1
SA36A	SA36CA	36	40	46	1	1
SA36	SA36C	36	40	20.5	1	1
SA33A	SA33CA	33	36.7	42.2	1	1
SA33	SA33C	33	36.7	46.5	1	1
SA30A	SA30CA	30	33.3	38.3	1	1
SA30	SA30C	30	33.3	42.2	1	1
SA28A	SA28CA	28	31.1	35.8	1	1
SA28	SA28C	28	31.1	39.4	1	1
SA26A	SA26CA	26	28.9	33.2	1	1
SA26	SA26C	26	28.9	36.6	1	1
SA24A	SA24CA	24	26.7	30.7	1	1
SA24	SA24C	24	26.7	33.8	1	1
SA22A	SA22CA	22	24.4	28	1	1
SA22	SA22C	22	24.4	30.9	1	1
SA20A	SA20CA	20	22.2	25.5	1	1
SA20	SA20C	20	22.2	28.1	1	1

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SA18A	SA18CA	18	20	23.3	1	1
SA18	SA18C	18	20	25.3	1	1
SA17A	SA17CA	17	18.9	21.7	1	1
SA17	SA17C	17	18.9	23.9	1	1
SA16A	SA16CA	16	17.8	20.5	1	1
SA16	SA16C	16	17.8	22.6	1	1
SA15A	SA15CA	15	16.7	19.2	1	1
SA15	SA15C	15	16.7	21.1	1	1
SA14A	SA14CA	14	15.6	17.9	1	1
SA14	SA14C	14	15.6	19.8	1	1
SA13A	SA13CA	13	14.4	16.5	1	1
SA13	SA13C	13	14.4	18.2	1	1
SA12A	SA12CA	12	13.3	15.3	1	1
SA12	SA12C	12	13.3	16.9	1	1
SA11A	SA11CA	11	12.2	14	1	1
SA11	SA11C	11	12.2	15.4	1	1
SA10A	SA10CA	10	11.1	12.8	1	1
SA10	SA10C	10	11.1	14.1	1	1
SA9.0A	SA9.0CA	9	10	11.5	1	5
SA9.0	SA9.0C	9	10	12.6	1	5
SA8.5A	SA8.5CA	8.5	9.44	10.82	1	10
SA8.5	SA8.5C	8.5	9.44	11.92	1	10
SA8.0A	SA8.0CA	8	8.89	10.23	1	25
SA8.0	SA8.0C	8	8.89	11.3	1	25
SA7.5A	SA7.5CA	7.5	8.33	9.58	1	50
SA7.5	SA7.5C	7.5	8.33	10.67	1	50
SA7.0A	SA7.0CA	7	7.78	8.95	10	150
SA7.0	SA7.0C	7	7.78	9.86	10	150
SA6.5A	SA6.5CA	6.5	7.22	8.3	10	400
SA6.5	SA6.5C	6.5	7.22	9.14	10	400
SA6.0A	SA6.0CA	6	6.67	7.67	10	600
SA6.0	SA6.0C	6	6.67	8.45	10	600
SA5.0A	SA5.0CA	5	6.4	7.25	10	600
SA5.0	SA5.0C	5	6.4	7.55	10	600
P4KE51	P4KE51C	41.3	45.9	56.1	1	1
P4KE47A	P4KE47CA	40.2	44.7	49.4	1	1
P4KE47	P4KE47C	38.1	42.3	51.7	1	1
P4KE43A	P4KE43CA	36.8	40.9	45.2	1	1
P4KE43	P4KE43C	34.8	38.7	47.3	1	1
P4KE39A	P4KE39CA	33.3	37.1	41	1	1
P4KE39	P4KE39C	31.6	35.1	42.9	1	1

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P4KE36A	P4KE36CA	30.8	34.2	37.8	1	1
P4KE36	P4KE36C	29.1	32.4	39.6	1	1
P4KE33A	P4KE33CA	28.2	31.4	34.7	1	1
P4KE33	P4KE33C	26.8	29.7	36.3	1	1
P4KE30A	P4KE30CA	25.6	28.5	31.5	1	1
P4KE30	P4KE30C	24.3	27	33	1	1
P4KE27A	P4KE27CA	23.1	25.7	28.4	1	1
P4KE27	P4KE27C	21.8	24.3	29.7	1	1
P4KE24A	P4KE24CA	20.5	22.8	25.2	1	1
P4KE24	P4KE24C	19.4	21.6	26.4	1	1
P4KE22A	P4KE22CA	18.8	20.9	23.1	1	1
P4KE22	P4KE22C	17.8	19.8	24.2	1	1
P4KE20A	P4KE20CA	17.1	19	21	1	1
P4KE20	P4KE20C	16.2	18	22	1	1
P4KE18A	P4KE18CA	15.3	17.1	18.9	1	1
P4KE18	P4KE18C	14.5	16.2	19.8	1	1
P4KE16A	P4KE16CA	13.6	15.2	16.8	1	1
P4KE16	P4KE16C	12.9	14.4	17.6	1	1
P4KE15A	P4KE15CA	12.8	14.3	15.8	1	1
P4KE15	P4KE15C	12.1	13.5	16.5	1	1
P4KE13A	P4KE13CA	11.1	12.4	13.7	1	1
P4KE13	P4KE13C	10.5	11.7	14.3	1	1
P4KE12A	P4KE12CA	10.2	11.4	12.6	1	1
P4KE12	P4KE12C	9.72	10.8	13.2	1	1
P4KE11A	P4KE11CA	9.4	10.5	11.6	1	5
P4KE11	P4KE11C	8.92	9.9	12.1	1	5
P4KE10A	P4KE10CA	8.55	9.5	10.5	1	10
P4KE10	P4KE10C	8.1	9	11	1	10
P4KE9.1A	P4KE9.1CA	7.78	8.65	9.5	1	50
P4KE9.1	P4KE9.1C	7.37	8.19	10	1	50
P4KE8.2A	P4KE8.2CA	7.02	7.79	8.61	10	200
P4KE8.2	P4KE8.2C	6.63	7.38	9.02	10	200
P4KE7.5A	P4KE7.5CA	6.4	7.13	7.88	10	500
P4KE7.5	P4KE7.5C	6.05	6.75	8.25	10	500
P4KE6.8A	P4KE6.8CA	5.8	6.45	7.14	10	1000
P4KE6.8	P4KE6.8C	5.5	6.12	7.48	10	1000

Leakage /RWM	Max.Clamp Voltage	Peak Pulse Current	Marking Code		
			UNI	BI	Package
BI uA	VC @ uA	IPP A			
	1	600	0.69 P4KE440A	P4KE440C/DO-41	
	1	631	0.66 P4KE440	P4KE440C	DO-41
	1	548	0.73 P4KE400A	P4KE400C/DO-41	
	1	574	0.7 P4KE400	P4KE400C	DO-41
	1	482	0.83 P4KE350A	P4KE350C/DO-41	
	1	504	0.79 P4KE350	P4KE350C	DO-41
	1	414	0.97 P4KE300A	P4KE300C/DO-41	
	1	430	0.93 P4KE300	P4KE300C	DO-41
	1	344	1.16 P4KE250A	P4KE250C/DO-41	
	1	360	1.11 P4KE250	P4KE250C	DO-41
	1	328	1.22 P4KE220A	P4KE220C/DO-41	
	1	344	1.16 P4KE220	P4KE220C	DO-41
	1	274	1.53 P4KE200A	P4KE200C/DO-41	
	1	287	1.5 P4KE200	P4KE200C	DO-41
	1	246	1.7 P4KE180A	P4KE180C/DO-41	
	1	258	1.6 P4KE180	P4KE180C	DO-41
	1	234	1.8 P4KE170A	P4KE170C/DO-41	
	1	244	1.7 P4KE170	P4KE170C	DO-41
	1	219	1.9 P4KE160A	P4KE160C/DO-41	
	1	230	1.8 P4KE160	P4KE160C	DO-41
	1	207	2 P4KE150A	P4KE150C/DO-41	
	1	215	2 P4KE150	P4KE150C	DO-41
	1	179	2.3 P4KE130A	P4KE130C/DO-41	
	1	187	2.2 P4KE130	P4KE130C	DO-41
	1	165	2.5 P4KE120A	P4KE120C/DO-41	
	1	173	2.4 P4KE120	P4KE120C	DO-41
	1	152	2.8 P4KE110A	P4KE110C/DO-41	
	1	158	2.7 P4KE110	P4KE110C	DO-41
	1	137	3.1 P4KE100A	P4KE100C/DO-41	
	1	144	2.9 P4KE100	P4KE100C	DO-41
	1	125	3.4 P4KE91A	P4KE91CA	DO-41
	1	131	3.2 P4KE91	P4KE91C	DO-41
	1	113	3.7 P4KE82A	P4KE82CA	DO-41
	1	118	3.6 P4KE82	P4KE82C	DO-41
	1	103	4.1 P4KE75A	P4KE75CA	DO-41

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1	108	3.9 P4KE75	P4KE75C	DO-41
1	92	4.6 P4KE68A	P4KE68CA	DO-41
1	98	4.3 P4KE68	P4KE68C	DO-41
1	85	5 P4KE62A	P4KE62CA	DO-41
1	89	4.7 P4KE62	P4KE62C	DO-41
1	77	5.5 P4KE56A	P4KE56CA	DO-41
1	80.5	5.2 P4KE56	P4KE56C	DO-41
1	70.1	6 P4KE51A	P4KE51CA	DO-41
5	275	11 HHR	IHR	SMC
5	304	9.8 HHQ	IHQ	SMC
5	259	11.6 HHP	IHP	SMC
5	287	10.4 HHN	IHN	SMC
5	243	12.4 HHM	IHM	SMC
5	268	11.2 HHL	IHL	SMC
5	209	14.4 HHK	IHK	SMC
5	231	13 HHH	IHH	SMC
5	193	15.6 HHG	IHG	SMC
5	214	14 HHF	IHF	SMC
5	177	16.8 HHE	IHE	SMC
5	196	15.4 HHD	IHD	SMC
5	162	18.6 HGZ	IGZ	SMC
5	179	16.6 HGY	IGY	SMC
5	146	20.6 HGX	IGX	SMC
5	160	18.8 HGW	IGW	SMC
5	137	20.8 HGV	IGV	SMC
5	151	19.8 HGU	IGU	SMC
5	126	22.8 HGT	IGT	SMC
5	139	21.6 HGS	IGS	SMC
5	121	24.8 HGR	IGR	SMC
5	134	22.4 HGQ	IGQ	SMC
5	113	26.6 HGP	IGP	SMC
5	125	24 HGN	IGN	SMC
5	103	29.2 HGM	IGM	SMC
5	114	26.4 HGL	IGL	SMC
5	96.8	31 HGK	IGK	SMC
5	107	28 HGH	IGH	SMC
5	93.6	32 HGG	IGG	SMC
5	103	39.2 HGF	IGF	SMC
5	87.1	34.4 HGE	IGE	SMC
5	96.3	31.2 HGD	IGD	SMC
5	82.4	36.4 HFZ	IFZ	SMC

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5	91.1	37 HFY	IFY	SMC
5	77.4	38.8 HFX	IFX	SMC
5	85.5	35 HFW	IFW	SMC
5	72.7	41.2 HFV	IFV	SMC
5	80.3	37.4 HFU	IFU	SMC
5	69.4	43.2 HFT	IFT	SMC
5	76.7	39.2 HFS	IFS	SMC
5	64.5	46.4 HFR	IFR	SMC
5	71.4	42 HFQ	IFQ	SMC
5	58.1	51.6 HFP	IFP	SMC
5	64.3	46.6 HFN	IFN	SMC
5	53.3	56.2 HFM	IFM	SMC
5	59	50.4 HFL	IFL	SMC
5	48.4	62 HFK	IFK	SMC
5	53.5	56 HFH	IFH	SMC
5	45.4	66 HFG	IFG	SMC
5	50	60 HFF	IFF	SMC
5	42.1	71.2 HFE	IFE	SMC
5	46.6	64.4 HFD	IFD	SMC
5	38.9	77.2 HEZ	IEZ	SMC
5	43	69.8 HEY	IEY	SMC
5	35.5	84.4 HEX	IEX	SMC
5	39.4	76.2 HEW	IEW	SMC
5	32.4	92.6 HEV	IEV	SMC
5	35.8	83.8 HEU	IEU	SMC
5	29.2	102.8 HET	IET	SMC
5	32.2	93.2 HES	IES	SMC
5	27.6	106.6 HER	IER	SMC
5	30.5	98.4 HEQ	IEQ	SMC
5	26	115.4 HEP	IEP	SMC
5	28.8	104.2 HEN	IEN	SMC
5	24.4	123 HEM	IEM	SMC
5	26.9	111.6 HEL	IEL	SMC
5	23.2	129.4 HEK	IEK	SMC
5	25.8	116.2 HEH	IEH	SMC
5	21.5	139.4 HEG	IEG	SMC
5	23.8	126 HEF	IEF	SMC
5	19.9	150.6 HEE	IEE	SMC
5	22	136.4 HED	IED	SMC
5	18.2	184.8 HDZ	IDZ	SMC
5	20.1	149.2 HDY	IDY	SMC

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5	17	176.4 HDX	IDX	SMC
5	18.8	159.6 HDW	IDW	SMC
20	15.4	194.8 HDV	IDV	SMC
20	16.9	177.4 HDU	IDU	SMC
50	14.4	208.4 HDT	IDT	SMC
50	15.9	188.8 HDS	IDS	SMC
100	13.6	220.6 HDR	IDR	SMC
100	15	200 HDQ	IDQ	SMC
200	12.9	232.6 HDP	IDP	SMC
200	14.3	209.8 HDN	IDN	SMC
400	12	250 HDM	IDM	SMC
400	13.3	225.6 HDL	IDL	SMC
1000	11.2	267.9 HDL	IDK	SMC
1000	12.3	243.9 HDH	IDH	SMC
2000	10.3	291.3 HDG	IDG	SMC
2000	11.4	263.2 HDF	IDF	SMC
2000	9.2	326 HDE	IDE	SMC
2000	9.6	312.5 HDD	IDD	SMC
5	275	5.5 GHR	BHR	SMC
5	304	4.9 GHQ	BHQ	SMC
5	259	5.8 GHP	BHP	SMC
5	287	5.2 GHN	BHN	SMC
5	243	6.2 GHM	BHM	SMC
5	268	5.6 GHL	BHL	SMC
5	209	7.2 GHK	BHK	SMC
5	231	6.5 GHH	BHH	SMC
5	193	7.9 GHG	BHG	SMC
5	214	7 GHF	BHF	SMC
5	177	8.4 GHE	BHE	SMC
5	196	7.7 GHD	BHD	SMC
5	162	9.3 GGZ	BGZ	SMC
5	179	8.4 GGY	BGY	SMC
5	146	10.3 GGX	BGX	SMC
5	160	9.4 GGW	BGW	SMC
5	137	10.4 GGV	BGV	SMC
5	151	9.9 GGU	BGU	SMC
5	126	11.4 GGT	BGT	SMC
5	139	10.8 GGS	BGS	SMC
5	121	12.4 GGR	BGR	SMC
5	134	11.2 GGQ	BGQ	SMC
5	113	13.3 GGP	BGP	SMC

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5	125	12 GGN	BGN	SMC
5	103	14.6 GGM	BGM	SMC
5	114	13.2 GGL	BGL	SMC
5	96.8	15.5 GGK	BGK	SMC
5	107	14 GGH	BGH	SMC
5	93.6	16 GGG	BGG	SMC
5	103	14.6 GGF	BGF	SMC
5	87.1	17.2 GGE	BGE	SMC
5	96.3	15.6 GGD	BGD	SMC
5	82.4	18.2 GFZ	BFZ	SMC
5	91.1	18.5 GFY	BFY	SMC
5	77.4	19.4 GFX	BFX	SMC
5	85.5	17.5 GFW	BFW	SMC
5	72.7	20.6 GFV	BFV	SMC
5	80.3	18.7 GFU	BFU	SMC
5	69.4	21.6 GFT	BFT	SMC
5	76.7	19.6 GFS	BFS	SMC
5	64.5	23.2 GFR	BFR	SMC
5	71.4	21 GFQ	BFQ	SMC
5	58.1	25.8 GFP	BFP	SMC
5	64.3	23.3 GFN	BFN	SMC
5	53.3	28.1 GFM	BFM	SMC
5	59	25.2 GFL	BFL	SMC
5	48.4	31 GFK	BFK	SMC
5	53.5	28 GFH	BFH	SMC
5	45.4	33 GFG	BFG	SMC
5	50	30 GFF	BFF	SMC
5	42.1	35.6 GFE	BFE	SMC
5	46.6	32.2 GFD	BFD	SMC
5	38.9	38.6 GEZ	BEZ	SMC
5	43	34.9 GEY	BEY	SMC
5	35.5	42.2 GEX	BEX	SMC
5	39.4	38.1 GEW	BEW	SMC
5	32.4	46.3 GEV	BEV	SMC
5	35.8	41.9 GEU	BEU	SMC
5	29.2	51.4 GET	BET	SMC
5	32.2	46.6 GES	BES	SMC
5	27.6	53.3 GER	BER	SMC
5	30.5	49.2 GEQ	BEQ	SMC
5	26	57.7 GEP	BEP	SMC
5	28.8	52.1 GEN	BEN	SMC

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5	24.4	61.5 GEM	BEM	SMC
5	26.9	55.8 GEL	BEL	SMC
5	23.2	64.7 GEK	BEK	SMC
5	25.8	58.1 GEH	BEH	SMC
5	21.5	69.7 GEG	BEG	SMC
5	23.8	63 GEF	BEF	SMC
5	19.9	75.3 GEE	BEE	SMC
5	22	68.2 GED	BED	SMC
5	18.2	82.4 GDZ	BDZ	SMC
5	20.1	74.6 GDY	BDY	SMC
5	17	88.2 GDX	BDX	SMC
5	18.8	79.8 GDW	BDW	SMC
20	15.4	97.4 GDV	BDV	SMC
20	16.9	88.7 GDU	BDU	SMC
50	14.4	104.2 GDT	BDT	SMC
50	15.9	94.3 GDS	BDS	SMC
100	13.6	110.3 GDR	BDR	SMC
100	15	100 GDQ	BDQ	SMC
200	12.9	116.3 GDP	BDP	SMC
200	14.3	104.9 GDN	BDN	SMC
400	12	125 GDM	BDM	SMC
400	13.3	112.8 GDL	BDL	SMC
1000	11.2	133.9 GDK	BDK	SMC
1000	12.3	122 GDH	BDH	SMC
2000	10.3	145.6 GDG	BDG	SMC
2000	11.4	131.6 GDF	BDF	SMC
2000	9.2	163 GDE	BDE	SMC
2000	9.6	156.2 GDD	BDD	SMC
1	275	2.2 PR	ER	SMB
1	304	2 PQ	EQ	SMB
1	259	2.3 PP	EP	SMB
1	287	2.1 PN	EN	SMB
1	243	2.5 PM	EM	SMB
1	268	2.2 PL	EL	SMB
1	209	2.9 PK	EK	SMB
1	231	2.6 PH	EH	SMB
1	193	3.1 PG	EG	SMB
1	214	2.8 PF	EF	SMB
1	177	3.4 PE	EE	SMB
1	196	3 PD	ED	SMB
1	162	3.7 NZ	DZ	SMB

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1	179	3.4 NY	DY	SMB
1	146	4.1 NX	DX	SMB
1	160	3.8 NW	DW	SMB
1	137	4.4 NV	DV	SMB
1	151	3.9 NU	DU	SMB
1	126	4.7 NT	DT	SMB
1	139	4.3 NS	DS	SMB
1	121	4.9 NR	DR	SMB
1	134	4.5 NQ	DQ	SMB
1	113	5.3 NP	DP	SMB
1	125	4.8 NN	DN	SMB
1	103	5.8 NM	DM	SMB
1	114	5.3 NL	DL	SMB
1	96.8	6.2 NK	DK	SMB
1	107	5.6 NH	DH	SMB
1	93.6	6.4 NG	DG	SMB
1	103	5.8 NF	DF	SMB
1	87.1	6.9 NE	DE	SMB
1	96.3	6.2 ND	DD	SMB
1	82.4	7.3 MZ	CZ	SMB
1	91.1	6.6 MY	CY	SMB
1	77.4	7.7 MX	CX	SMB
1	85.5	7 MW	CW	SMB
1	72.7	8.3 MV	CV	SMB
1	80.3	7.5 MU	CU	SMB
1	69.4	8.6 MT	CT	SMB
1	76.7	7.8 MS	CS	SMB
1	64.5	9.3 MR	CR	SMB
1	71.4	8.4 MQ	CQ	SMB
1	58.1	10.3 MP	CP	SMB
1	64.3	9.3 MN	CN	SMB
1	53.3	11.3 MM	CM	SMB
1	59	10.2 ML	CL	SMB
1	48.4	12.4 MK	CK	SMB
1	53.5	11.2 MH	CH	SMB
1	45.4	13.2 MG	CG	SMB
1	50	12 MF	CF	SMB
1	42.1	14.2 ME	CE	SMB
1	46.6	12.4 MD	CD	SMB
1	38.9	15.4 LZ	BZ	SMB
1	43	14 LY	BY	SMB

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1	35.5	16.9 LX	BX	SMB
1	39.4	15.2 LW	BW	SMB
1	32.4	18.5 LV	BV	SMB
1	35.8	16.7 LU	BU	SMB
1	29.2	20.5 LT	BT	SMB
1	32.2	18.6 LS	BS	SMB
1	27.6	21.7 LR	BR	SMB
1	30.5	19.7 LQ	BQ	SMB
1	26	23.1 LP	BP	SMB
1	28.8	20.8 LN	BN	SMB
1	24.4	24 LM	BM	SMB
1	26.9	22.3 LL	BL	SMB
1	23.2	25.8 LK	BK	SMB
1	25.8	23.3 LH	BH	SMB
1	21.5	27.9 LG	BG	SMB
1	23.8	25.2 LF	BF	SMB
5	19.9	30.2 LE	BE	SMB
5	22	27.3 LD	BD	SMB
5	18.2	33 KZ	AZ	SMB
5	20.1	29.9 KY	AY	SMB
5	17	35.3 KX	AX	SMB
5	18.8	31.9 KW	AW	SMB
5	15.4	39 KV	AV	SMB
5	16.9	35.5 KU	AU	SMB
20	14.4	41.7 KT	AT	SMB
20	15.9	37.7 KS	AS	SMB
100	13.6	44.1 KR	AR	SMB
100	15	40 KQ	AQ	SMB
200	12.9	46.5 KP	AP	SMB
200	14.3	42 KN	AN	SMB
400	12	50 KM	AM	SMB
400	13.3	45.1 KL	AL	SMB
1000	11.2	53.6 KK	AK	SMB
1000	12.3	48.7 KH	AH	SMB
1600	10.3	58.3 KG	AG	SMB
1600	11.4	52.6 KF	AF	SMB
1600	9.2	65.2 KE	AE	SMB
1600	9.6	62.5 KD	AD	SMB
1	275	1.4 SR	VR	SMA
1	304	1.3 SQ	VQ	SMA
1	259	1.5 SP	VP	SMA

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1	287	1.4 SN	VN	SMA
1	243	1.6 SM	VM	SMA
1	268	1.5 SL	VL	SMA
1	209	1.9 SK	VK	SMA
1	231	1.7 SH	VH	SMA
1	193	2 SG	VG	SMA
1	214	1.9 SF	VF	SMA
1	177	2.3 SE	VE	SMA
1	196	2 SD	VD	SMA
1	162	2.5 RZ	ZZ	SMA
1	179	2.2 RY	ZY	SMA
1	146	2.7 RX	ZX	SMA
1	160	2.5 RW	ZW	SMA
1	137	2.9 RV	ZV	SMA
1	151	2.6 RU	ZU	SMA
1	126	2.2 RT	ZT	SMA
1	139	2.9 RS	ZS	SMA
1	121	3.3 RR	ZR	SMA
1	134	3 RQ	ZQ	SMA
1	113	3.5 RP	ZP	SMA
1	125	3.2 RN	ZN	SMA
1	103	3.9 RM	ZM	SMA
1	114	3.5 RL	ZL	SMA
1	96.8	4.1 RK	ZK	SMA
1	107	3.7 RH	ZH	SMA
1	93.6	4.3 RG	ZG	SMA
1	103	3.9 RF	ZF	SMA
1	87.1	4.6 RE	ZE	SMA
1	96.3	4.2 RD	ZD	SMA
1	82.4	4.9 CZ	YZ	SMA
1	91.1	4.4 CY	YY	SMA
1	77.4	5.2 CX	YX	SMA
1	85.5	4.7 CW	YW	SMA
1	72.7	5.5 CV	YV	SMA
1	80.3	5 CU	YU	SMA
1	69.4	5.7 CT	YT	SMA
1	76.7	5.2 CS	YS	SMA
1	64.5	6.2 CR	YR	SMA
1	71.4	5.6 CQ	YQ	SMA
1	58.1	6.9 CP	YP	SMA
1	64.3	6.2 CN	YN	SMA

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1	53.3	7.5 CM	YM	SMA
1	59	6.8 CL	YL	SMA
1	48.4	8.3 CK	YK	SMA
1	53.5	7.5 CH	YH	SMA
1	45.4	8.8 CG	YG	SMA
1	50	8 CF	YF	SMA
1	42.1	9.5 CE	YE	SMA
1	46.6	8.6 CD	YD	SMA
1	38.9	10.3 BZ	XZ	SMA
1	43	9.3 BY	XY	SMA
1	35.5	11.2 BX	XX	SMA
1	39.4	10.1 BW	XW	SMA
1	32.4	12.3 BV	XV	SMA
1	35.8	11.1 BU	XU	SMA
1	29.2	13.7 BT	XT	SMA
1	32.2	12.4 BS	XS	SMA
1	27.6	14.5 BR	XR	SMA
1	30.5	13.1 BQ	XQ	SMA
1	26	15.3 BP	XP	SMA
1	28.8	13.8 BN	XN	SMA
1	24.4	16.4 BM	XM	SMA
1	26.9	14.8 BL	XL	SMA
1	23.2	17.2 BK	XK	SMA
1	25.8	15.5 BH	XH	SMA
1	21.5	18.6 BG	XG	SMA
1	23.8	16.8 BF	XF	SMA
1	19.9	20.1 BE	XE	SMA
1	22	18.1 BD	XD	SMA
1	18.2	22 AZ	WZ	SMA
1	20.1	20 AY	WY	SMA
1	17	23.5 AX	WX	SMA
1	18.8	21.2 AW	WW	SMA
5	15.4	26 AV	WV	SMA
5	16.9	23.6 AU	WU	SMA
20	14.4	27.7 AT	WT	SMA
20	15.9	25.1 AS	WS	SMA
100	13.6	29.4 AR	WR	SMA
100	15	26.5 AQ	WQ	SMA
200	12.9	31 AP	WP	SMA
200	14.3	28 AN	WN	SMA
400	12	33.3 AM	WM	SMA

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400	13.3	30.1 AL	WL	SMA
1000	11.2	35.7 AK	WK	SMA
1000	12.3	32.5 AH	WH	SMA
1600	10.3	38.8 AG	WG	SMA
1600	11.4	35.1 AF	WF	SMA
1600	9.2	43.5 AE	WE	SMA
1600	9.6	41.6 AD	WD	SMA
5	356	14 5KP220A	5KP220CA	R-6
5	394	13 5KP220	5KP220C	R-6
5	340	15 5KP210A	5KP210CA	R-6
5	376	13 5KP210	5KP210C	R-6
5	324	15 5KP200A	5KP200CA	R-6
5	358	14 5KP200	5KP200C	R-6
5	308	16 5KP190A	5KP190CA	R-6
5	340	15 5KP190	5KP190C	R-6
5	292	17 5KP180A	5KP180CA	R-6
5	322	16 5KP180	5KP180C	R-6
10	275	18 5KP170A	5KP170CA	R-6
10	304	16 5KP170	5KP170C	R-6
10	259	19 5KP160A	5KP160CA	R-6
10	287	17 5KP160	5KP160C	R-6
10	243	21 5KP150A	5KP150CA	R-6
10	268	19 5KP150	5KP150C	R-6
10	209	24 5KP130A	5KP130CA	R-6
10	231	22 5KP130	5KP130C	R-6
10	193	20 5KP120A	5KP120CA	R-6
10	214	23 5KP120	5KP120C	R-6
10	177	28 5KP110A	5KP110CA	R-6
10	196	26 5KP110	5KP110C	R-6
10	162	31 5KP100A	5KP100CA	R-6
10	179	28 5KP100	5KP100C	R-6
10	146	34 5KP90A	5KP90CA	R-6
10	160	31 5KP90	5KP90C	R-6
10	137	36 5KP85A	5KP85CA	R-6
10	151	33 5KP85	5KP85C	R-6
10	126	40 5KP78A	5KP78CA	R-6
10	139	36 5KP78	5KP78C	R-6
10	121	41 5KP75A	5KP75CA	R-6
10	134	37 5KP75	5KP75C	R-6
10	113	44 5KP70A	5KP70CA	R-6
10	125	40 5KP70	5KP70C	R-6

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10	103	49 5KP64A	5KP64CA	R-6
10	114	44 5KP64	5KP64C	R-6
10	96.8	52 5KP60A	5KP60CA	R-6
10	107	47 5KP60	5KP60C	R-6
10	93.6	53 5KP58A	5KP58CA	R-6
10	103	49 5KP58	5KP58C	R-6
10	87.1	57 5KP54A	5KP54CA	R-6
10	96.3	52 5KP54	5KP54C	R-6
10	82.4	61 5KP51A	5KP51CA	R-6
10	91.1	55 5KP51	5KP51C	R-6
10	77.4	65 5KP48A	5KP48CA	R-6
10	85.5	58 5KP48	5KP48C	R-6
10	72.7	69 5KP45A	5KP45CA	R-6
10	80.3	62 5KP45	5KP45C	R-6
10	69.4	72 5KP43A	5KP43CA	R-6
10	76.7	65 5KP43	5KP43C	R-6
10	64.5	78 5KP40A	5KP40CA	R-6
10	71.4	70 5KP40	5KP40C	R-6
10	58.1	85 5KP36A	5KP36CA	R-6
10	64.3	78 5KP36	5KP36C	R-6
10	53.3	94 5KP33A	5KP33CA	R-6
10	59	85 5KP33	5KP33C	R-6
10	48.4	103 5KP30A	5KP30CA	R-6
10	53.5	93 5KP30	5KP30C	R-6
10	45.4	110 5KP28A	5KP28CA	R-6
10	50	99 5KP28	5KP28C	R-6
10	42.1	119 5KP26A	5KP26CA	R-6
10	46.6	107 5KP26	5KP26C	R-6
10	38.9	128 5KP24A	5KP24CA	R-6
10	43	116 5KP24	5KP24C	R-6
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10	39.4	127 5KP22	5KP22C	R-6
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10	35.8	139 5KP20	5KP20C	R-6
10	29.2	172 5KP18A	5KP18CA	R-6
10	32.2	155 5KP18	5KP18C	R-6
10	27.6	181 5KP17A	5KP17CA	R-6
10	30.5	164 5KP17	5KP17C	R-6
10	26	192 5KP16A	5KP16CA	R-6
10	28.8	176 5KP16	5KP16C	R-6
10	24.4	206 5KP15A	5KP15CA	R-6

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10	23.2	215 5KP14A	5KP14CA	R-6
10	25.8	194 5KP14	5KP14C	R-6
10	21.5	232 5KP13A	5KP13CA	R-6
10	23.8	210 5KP13	5KP13C	R-6
10	19.9	251 5KP12A	5KP12CA	R-6
10	22	227 5KP12	5KP12C	R-6
10	18.2	274 5KP11A	5KP11CA	R-6
10	20.1	249 5KP11	5KP11C	R-6
10	17	294 5KP10A	5KP10CA	R-6
10	18.8	266 5KP10	5KP10C	R-6
40	15.4	325 5KP9.0A	5KP9.0CA	R-6
40	16.9	295 5KP9.0	5KP9.0C	R-6
100	14.4	347 5KP8.5A	5KP8.5CA	R-6
100	15.9	314 5KP8.5	5KP8.5C	R-6
300	13.6	367 5KP8.0A	5KP8.0CA	R-6
300	15	333 5KP8.0	5KP8.0C	R-6
500	12.9	388 5KP7.5A	5KP7.5CA	R-6
500	14.3	350 5KP7.5	5KP7.5C	R-6
2000	12	417 5KP7.0A	5KP7.0CA	R-6
2000	13.3	378 5KP7.0	5KP7.0C	R-6
4000	11.2	447 5KP6.5A	5KP6.5CA	R-6
4000	12.3	407 5KP6.5	5KP6.5C	R-6
10000	10.3	485 5KP6.0A	5KP6.0CA	R-6
10000	11.4	439 5KP6.0	5KP6.0C	R-6
10000	9.2	543 5KP5.0A	5KP5.0CA	R-6
10000	9.6	520 5KP5.0	5KP5.0C	R-6
5	356	8.4 3KP220A	3KP220CA	R-6
5	394	7.6 3KP220	3KP220C	R-6
5	340	8.8 3KP210A	3KP210CA	R-6
5	376	7.8 3KP210	3KP210C	R-6
5	324	9.3 3KP200A	3KP200CA	R-6
5	358	8.4 3KP200	3KP200C	R-6
5	308	9.7 3KP190A	3KP190CA	R-6
5	340	8.8 3KP190	3KP190C	R-6
5	292	10.3 3KP180A	3KP180CA	R-6
5	322	9.3 3KP180	3KP180C	R-6
5	275	11 3KP170A	3KP170CA	R-6
5	304	9.8 3KP170	3KP170C	R-6
5	259	11.6 3KP160A	3KP160CA	R-6
5	287	10.4 3KP160	3KP160C	R-6

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5	268	11.2 3KP150	3KP150C	R-6
5	209	14.4 3KP130A	3KP130CA	R-6
5	231	13 3KP130	3KP130C	R-6
5	193	15.6 3KP120A	3KP120CA	R-6
5	214	14 3KP120	3KP120C	R-6
5	177	16.8 3KP110A	3KP110CA	R-6
5	196	15.4 3KP110	3KP110C	R-6
5	162	18.6 3KP100A	3KP100CA	R-6
5	179	16.6 3KP100	3KP100C	R-6
5	146	20.6 3KP90A	3KP90CA	R-6
5	160	18.8 3KP90	3KP90C	R-6
5	137	20.8 3KP85A	3KP85CA	R-6
5	151	19.8 3KP85	3KP85C	R-6
5	126	22.8 3KP78A	3KP78CA	R-6
5	139	21.6 3KP78	3KP78C	R-6
5	121	24.8 3KP75A	3KP75CA	R-6
5	134	22.4 3KP75	3KP75C	R-6
5	113	26.6 3KP70A	3KP70CA	R-6
5	125	24 3KP70	3KP70C	R-6
5	103	29.2 3KP64A	3KP64CA	R-6
5	114	26.4 3KP64	3KP64C	R-6
5	96.8	31 3KP60A	3KP60CA	R-6
5	107	28 3KP60	3KP60C	R-6
5	93.6	32 3KP58A	3KP58CA	R-6
5	103	29.2 3KP58	3KP58C	R-6
5	87.1	34.4 3KP54A	3KP54CA	R-6
5	96.3	31.2 3KP54	3KP54C	R-6
5	82.4	36.4 3KP51A	3KP51CA	R-6
5	91.1	37 3KP51	3KP51C	R-6
5	77.4	38.8 3KP48A	3KP48CA	R-6
5	85.5	35 3KP48	3KP48C	R-6
5	72.7	41.2 3KP45A	3KP45CA	R-6
5	80.3	37.4 3KP45	3KP45C	R-6
5	69.4	43.2 3KP43A	3KP43CA	R-6
5	76.7	39.2 3KP43	3KP43C	R-6
5	64.5	46.4 3KP40A	3KP40CA	R-6
5	71.4	42 3KP40	3KP40C	R-6
5	58.1	51.6 3KP36A	3KP36CA	R-6
5	64.3	46.6 3KP36	3KP36C	R-6
5	53.3	56.2 3KP33A	3KP33CA	R-6

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5	48.4	62 3KP30A	3KP30CA	R-6
5	53.5	56 3KP30	3KP30C	R-6
5	45.4	66 3KP28A	3KP28CA	R-6
5	50	60 3KP28	3KP28C	R-6
5	42.1	71.2 3KP26A	3KP26CA	R-6
5	46.6	64.4 3KP26	3KP26C	R-6
5	38.9	77.2 3KP24A	3KP24CA	R-6
5	43	69.8 3KP24	3KP24C	R-6
5	35.5	84.4 3KP22A	3KP22CA	R-6
5	39.4	76.2 3KP22	3KP22C	R-6
5	32.4	92.6 3KP20A	3KP20CA	R-6
5	35.8	83.8 3KP20	3KP20C	R-6
5	29.2	102.8 3KP18A	3KP18CA	R-6
5	32.2	93.2 3KP18	3KP18C	R-6
5	27.6	106.6 3KP17A	3KP17CA	R-6
5	30.5	98.4 3KP17	3KP17C	R-6
5	26	115.4 3KP16A	3KP16CA	R-6
5	28.8	104.2 3KP16	3KP16C	R-6
5	24.4	123 3KP15A	3KP15CA	R-6
5	26.9	111.6 3KP15	3KP15C	R-6
5	23.2	129.4 3KP14A	3KP14CA	R-6
5	25.8	116.2 3KP14	3KP14C	R-6
5	21.5	139.4 3KP13A	3KP13CA	R-6
5	23.8	126 3KP13	3KP13C	R-6
5	19.9	150.6 3KP12A	3KP12CA	R-6
5	22	136.4 3KP12	3KP12C	R-6
5	18.2	184.8 3KP11A	3KP11CA	R-6
5	20.1	149.2 3KP11	3KP11C	R-6
5	17	176.4 3KP10A	3KP10CA	R-6
5	18.8	159.6 3KP10	3KP10C	R-6
20	15.4	194.8 3KP9.0A	3KP9.0CA	R-6
20	16.9	177.4 3KP9.0	3KP9.0C	R-6
50	14.4	208.4 3KP8.5A	3KP8.5CA	R-6
50	15.9	188.8 3KP8.5	3KP8.5C	R-6
100	13.6	220.6 3KP8.0A	3KP8.0CA	R-6
100	15	220 3KP8.0	3KP8.0C	R-6
200	12.9	232.6 3KP7.5A	3KP7.5CA	R-6
200	14.3	209.8 3KP7.5	3KP7.5C	R-6
400	12	250 3KP7.0A	3KP7.0CA	R-6
400	13.3	225.6 3KP7.0	3KP7.0C	R-6

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1000	12.3	243.9	3KP6.5	3KP6.5C	R-6
2000	10.3	291.3	3KP6.0A	3KP6.0CA	R-6
2000	11.4	263.2	3KP6.0	3KP6.0C	R-6
2000	9.2	326	3KP5.0A	3KP5.0CA	R-6
2000	9.6	312.5	3KP5.0	3KP5.0C	R-6
1	600	2.6	1.5KE440A	1.5KE440C,DO-201AD	
1	631	2.4	1.5KE440	1.5KE440C DO-201AD	
1	548	2.8	1.5KE400A	1.5KE400C,DO-201AD	
1	574	2.7	1.5KE400	1.5KE400C DO-201AD	
1	482	3.2	1.5KE350A	1.5KE350C,DO-201AD	
1	504	3.1	1.5KE350	1.5KE350C DO-201AD	
1	414	3.8	1.5KE300A	1.5KE300C,DO-201AD	
1	430	3.6	1.5KE300	1.5KE300C DO-201AD	
1	344	4.5	1.5KE250A	1.5KE250C,DO-201AD	
1	360	4.3	1.5KE250	1.5KE250C DO-201AD	
1	328	4.6	1.5KE220A	1.5KE220C,DO-201AD	
1	344	4.3	1.5KE220	1.5KE220C DO-201AD	
1	274	5.5	1.5KE200A	1.5KE200C,DO-201AD	
1	287	5.2	1.5KE200	1.5KE200C DO-201AD	
1	246	6.1	1.5KE180A	1.5KE180C,DO-201AD	
1	258	5.8	1.5KE180	1.5KE180C DO-201AD	
1	234	6.4	1.5KE170A	1.5KE170C,DO-201AD	
1	244	6.2	1.5KE170	1.5KE170C DO-201AD	
1	219	6.8	1.5KE160A	1.5KE160C,DO-201AD	
1	230	6.5	1.5KE160	1.5KE160C DO-201AD	
1	207	7.2	1.5KE150A	1.5KE150C,DO-201AD	
1	215	7	1.5KE150	1.5KE150C DO-201AD	
1	179	8.4	1.5KE130A	1.5KE130C,DO-201AD	
1	187	8	1.5KE130	1.5KE130C DO-201AD	
1	165	9.1	1.5KE120A	1.5KE120C,DO-201AD	
1	173	8.7	1.5KE120	1.5KE120C DO-201AD	
1	152	9.9	1.5KE110A	1.5KE110C,DO-201AD	
1	158	9.5	1.5KE110	1.5KE110C DO-201AD	
1	137	11	1.5KE100A	1.5KE100C,DO-201AD	
1	144	10.4	1.5KE100	1.5KE100C DO-201AD	
1	125	12	1.5KE91A	1.5KE91CADO-201AD	
1	131	11.4	1.5KE91	1.5KE91C DO-201AD	
1	113	13.3	1.5KE82A	1.5KE82CADO-201AD	
1	118	12.7	1.5KE82	1.5KE82C DO-201AD	
1	103	14.6	1.5KE75A	1.5KE75CADO-201AD	

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1	108	13.9	1.5KE75	1.5KE75C	DO-201AD
1	92	16.3	1.5KE68A	1.5KE68C	DO-201AD
1	98	15.3	1.5KE68	1.5KE68C	DO-201AD
1	85	17.7	1.5KE62A	1.5KE62C	DO-201AD
1	89	16.9	1.5KE62	1.5KE62C	DO-201AD
1	77	19.5	1.5KE56A	1.5KE56C	DO-201AD
1	80.5	18.6	1.5KE56	1.5KE56C	DO-201AD
1	70.1	21.4	1.5KE51A	1.5KE51C	DO-201AD
1	73.5	20.4	1.5KE51	1.5KE51C	DO-201AD
1	64.8	23.2	1.5KE47A	1.5KE47C	DO-201AD
1	67.8	22.2	1.5KE47	1.5KE47C	DO-201AD
1	59.3	25.3	1.5KE43A	1.5KE43C	DO-201AD
1	61.9	24	1.5KE43	1.5KE43C	DO-201AD
1	53.9	28	1.5KE39A	1.5KE39C	DO-201AD
1	56.4	26.5	1.5KE39	1.5KE39C	DO-201AD
1	49.9	30	1.5KE36A	1.5KE36C	DO-201AD
1	52	29	1.5KE36	1.5KE36C	DO-201AD
1	45.7	33	1.5KE33A	1.5KE33C	DO-201AD
1	47.7	31.5	1.5KE33	1.5KE33C	DO-201AD
1	41.4	36	1.5KE30A	1.5KE30C	DO-201AD
1	43.5	34.5	1.5KE30	1.5KE30C	DO-201AD
1	37.5	40	1.5KE27A	1.5KE27C	DO-201AD
1	39.1	38.5	1.5KE27	1.5KE27C	DO-201AD
1	33.2	45	1.5KE24A	1.5KE24C	DO-201AD
1	34.7	43	1.5KE24	1.5KE24C	DO-201AD
1	30.6	49	1.5KE22A	1.5KE22C	DO-201AD
1	31.9	47	1.5KE22	1.5KE22C	DO-201AD
1	27.7	54	1.5KE20A	1.5KE20C	DO-201AD
1	29.1	51.5	1.5KE20	1.5KE20C	DO-201AD
1	25.2	59.5	1.5KE18A	1.5KE18C	DO-201AD
1	26.5	56.5	1.5KE18	1.5KE18C	DO-201AD
1	22.5	67	1.5KE16A	1.5KE16C	DO-201AD
1	23.5	64	1.5KE16	1.5KE16C	DO-201AD
1	21.2	71	1.5KE15A	1.5KE15C	DO-201AD
1	22	68	1.5KE15	1.5KE15C	DO-201AD
1	18.2	82	1.5KE13A	1.5KE13C	DO-201AD
1	19	79	1.5KE13	1.5KE13C	DO-201AD
1	16.7	90	1.5KE12A	1.5KE12C	DO-201AD
1	17.3	87	1.5KE12	1.5KE12C	DO-201AD
10	15.6	96	1.5KE11A	1.5KE11C	DO-201AD
10	16.2	93	1.5KE11	1.5KE11C	DO-201AD

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20	14.5	103 1.5KE10A	1.5KE10C/DO-201AD
20	15	100 1.5KE10	1.5KE10C DO-201AD
100	13.4	112 1.5KE9.1A	1.5KE9.1C/DO-201AD
100	13.8	109 1.5KE9.1	1.5KE9.1C DO-201AD
400	12.1	124 1.5KE8.2A	1.5KE8.2C/DO-201AD
400	12.5	120 1.5KE8.2	1.5KE8.2C DO-201AD
1000	11.3	132 1.5KE7.5A	1.5KE7.5C/DO-201AD
1000	11.7	128 1.5KE7.5	1.5KE7.5C DO-201AD
2000	10.5	143 1.5KE6.8A	1.5KE6.8C/DO-201AD
2000	10.8	139 1.5KE6.8	1.5KE6.8C DO-201AD
1	600	1.04 P6KE440A	P6KE440C/DO-15
1	631	0.99 P6KE440	P6KE440C DO-15
1	548	1.1 P6KE400A	P6KE400C/DO-15
1	574	1.05 P6KE400	P6KE400C DO-15
1	482	1.3 P6KE350A	P6KE350C/DO-15
1	504	1.2 P6KE350	P6KE350C DO-15
1	414	1.5 P6KE300A	P6KE300C/DO-15
1	430	1.4 P6KE300	P6KE300C DO-15
1	344	1.8 P6KE250A	P6KE250C/DO-15
1	360	1.7 P6KE250	P6KE250C DO-15
1	328	1.9 P6KE220A	P6KE220C/DO-15
1	344	1.8 P6KE220	P6KE220C DO-15
1	274	2.2 P6KE200A	P6KE200C/DO-15
1	287	2.1 P6KE200	P6KE200C DO-15
1	246	2.4 P6KE180A	P6KE180C/DO-15
1	258	2.3 P6KE180	P6KE180C DO-15
1	234	2.6 P6KE170A	P6KE170C/DO-15
1	244	2.5 P6KE170	P6KE170C DO-15
1	219	2.7 P6KE160A	P6KE160C/DO-15
1	230	2.6 P6KE160	P6KE160C DO-15
1	207	2.9 P6KE150A	P6KE150C/DO-15
1	215	2.8 P6KE150	P6KE150C DO-15
1	179	3.3 P6KE130A	P6KE130C/DO-15
1	187	3.2 P6KE130	P6KE130C DO-15
1	165	3.6 P6KE120A	P6KE120C/DO-15
1	173	3.5 P6KE120	P6KE120C DO-15
1	152	4 P6KE110A	P6KE110C/DO-15
1	158	3.8 P6KE110	P6KE110C DO-15
1	137	4.4 P6KE100A	P6KE100C/DO-15
1	144	4.2 P6KE100	P6KE100C DO-15
1	125	4.8 P6KE91A	P6KE91CA DO-15

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1	113	5.3 P6KE82A	P6KE82CA	DO-15
1	118	5.1 P6KE82	P6KE82C	DO-15
1	103	5.8 P6KE75A	P6KE75CA	DO-15
1	108	5.5 P6KE75	P6KE75C	DO-15
1	92	6.5 P6KE68A	P6KE68CA	DO-15
1	98	6.1 P6KE68	P6KE68C	DO-15
1	85	7.1 P6KE62A	P6KE62CA	DO-15
1	89	6.8 P6KE62	P6KE62C	DO-15
1	77	7.8 P6KE56A	P6KE56CA	DO-15
1	80.5	7.4 P6KE56	P6KE56C	DO-15
1	70.1	8.6 P6KE51A	P6KE51CA	DO-15
1	73.5	8.2 P6KE51	P6KE51C	DO-15
1	64.8	9.3 P6KE47A	P6KE47CA	DO-15
1	67.8	8.9 P6KE47	P6KE47C	DO-15
1	59.3	10.1 P6KE43A	P6KE43CA	DO-15
1	61.9	9.6 P6KE43	P6KE43C	DO-15
1	53.9	11.2 P6KE39A	P6KE39CA	DO-15
1	56.4	10.6 P6KE39	P6KE39C	DO-15
1	49.9	12 P6KE36A	P6KE36CA	DO-15
1	52	11.6 P6KE36	P6KE36C	DO-15
1	45.7	13.2 P6KE33A	P6KE33CA	DO-15
1	47.7	12.6 P6KE33	P6KE33C	DO-15
1	41.4	14.4 P6KE30A	P6KE30CA	DO-15
1	43.5	14 P6KE30	P6KE30C	DO-15
1	37.5	16 P6KE27A	P6KE27CA	DO-15
1	39.1	15 P6KE27	P6KE27C	DO-15
1	33.2	18 P6KE24A	P6KE24CA	DO-15
1	34.7	17 P6KE24	P6KE24C	DO-15
1	30.6	20 P6KE22A	P6KE22CA	DO-15
1	31.9	19 P6KE22	P6KE22C	DO-15
1	27.7	22 P6KE20A	P6KE20CA	DO-15
1	29.1	21 P6KE20	P6KE20C	DO-15
1	25.2	24 P6KE18A	P6KE18CA	DO-15
1	26.5	23 P6KE18	P6KE18C	DO-15
1	22.5	27 P6KE16A	P6KE16CA	DO-15
1	23.5	26 P6KE16	P6KE16C	DO-15
1	21.2	28 P6KE15A	P6KE15CA	DO-15
1	22	27 P6KE15	P6KE15C	DO-15
1	18.2	33 P6KE13A	P6KE13CA	DO-15
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1	17.3	35 P6KE12	P6KE12C	DO-15
10	15.6	38 P6KE11A	P6KE11CA	DO-15
10	16.2	37 P6KE11	P6KE11C	DO-15
20	14.5	41 P6KE10A	P6KE10CA	DO-15
20	15	40 P6KE10	P6KE10C	DO-15
100	13.4	45 P6KE9.1A	P6KE9.1CA	DO-15
100	13.8	44 P6KE9.1	P6KE9.1C	DO-15
400	12.1	50 P6KE8.2A	P6KE8.2CA	DO-15
400	12.5	48 P6KE8.2	P6KE8.2C	DO-15
1000	11.3	53 P6KE7.5A	P6KE7.5CA	DO-15
1000	11.7	51 P6KE7.5	P6KE7.5C	DO-15
2000	10.5	57 P6KE6.8A	P6KE6.8CA	DO-15
2000	10.8	56 P6KE6.8	P6KE6.8C	DO-15
1	356	1.4 SA220A	SA220CA	DO-15
1	394	1.3 SA220	SA220C	DO-15
1	340	1.5 SA210A	SA210CA	DO-15
1	376	1.3 SA210	SA210C	DO-15
1	324	1.5 SA200A	SA200CA	DO-15
1	358	1.4 SA200	SA200C	DO-15
1	308	1.6 SA190A	SA190CA	DO-15
1	340	1.5 SA190	SA190C	DO-15
1	292	1.7 SA180A	SA180CA	DO-15
1	322	1.6 SA180	SA180C	DO-15
1	275	1.8 SA170A	SA170CA	DO-15
1	304	1.6 SA170	SA170C	DO-15
1	259	1.9 SA160A	SA160CA	DO-15
1	287	1.7 SA160	SA160C	DO-15
1	243	2.1 SA150A	SA150CA	DO-15
1	268	1.9 SA150	SA150C	DO-15
1	209	2.4 SA130A	SA130CA	DO-15
1	231	2.2 SA130	SA130C	DO-15
1	193	2 SA120A	SA120CA	DO-15
1	214	2.3 SA120	SA120C	DO-15
1	177	2.8 SA110A	SA110CA	DO-15
1	196	2.6 SA110	SA110C	DO-15
1	162	3.1 SA100A	SA100CA	DO-15
1	179	2.8 SA100	SA100C	DO-15
1	146	3.4 SA90A	SA90CA	DO-15
1	160	3.1 SA90	SA90C	DO-15
1	137	3.6 SA85A	SA85CA	DO-15

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1	139	3.6 SA78	SA78C	DO-15
1	121	4.1 SA75A	SA75CA	DO-15
1	134	3.7 SA75	SA75C	DO-15
1	113	4.4 SA70A	SA70CA	DO-15
1	125	4 SA70	SA70C	DO-15
1	103	4.9 SA64A	SA64CA	DO-15
1	114	4.4 SA64	SA64C	DO-15
1	96.8	5.2 SA60A	SA60CA	DO-15
1	107	4.7 SA60	SA60C	DO-15
1	93.6	5.3 SA58A	SA58CA	DO-15
1	103	4.9 SA58	SA58C	DO-15
1	87.1	5.7 SA54A	SA54CA	DO-15
1	96.3	5.2 SA54	SA54C	DO-15
1	82.4	6.1 SA51A	SA51CA	DO-15
1	91.1	5.5 SA51	SA51C	DO-15
1	77.4	6.5 SA48A	SA48CA	DO-15
1	85.5	5.8 SA48	SA48C	DO-15
1	72.7	6.9 SA45A	SA45CA	DO-15
1	80.3	6.2 SA45	SA45C	DO-15
1	69.4	7.2 SA43A	SA43CA	DO-15
1	76.7	6.5 SA43	SA43C	DO-15
1	64.5	7.8 SA40A	SA40CA	DO-15
1	71.4	7 SA40	SA40C	DO-15
1	58.1	8.6 SA36A	SA36CA	DO-15
1	64.3	7.8 SA36	SA36C	DO-15
1	53.3	9.4 SA33A	SA33CA	DO-15
1	59	5.8 SA33	SA33C	DO-15
1	48.4	10.3 SA30A	SA30CA	DO-15
1	53.5	9.3 SA30	SA30C	DO-15
1	45.4	11 SA28A	SA28CA	DO-15
1	50	9.9 SA28	SA28C	DO-15
1	42.1	11.9 SA26A	SA26CA	DO-15
1	46.6	10.7 SA26	SA26C	DO-15
1	38.9	12.8 SA24A	SA24CA	DO-15
1	43	11.6 SA24	SA24C	DO-15
1	35.5	14.1 SA22A	SA22CA	DO-15
1	39.4	12.7 SA22	SA22C	DO-15
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1	24.4	20.6 SA15A	SA15CA	DO-15
1	26.9	18.8 SA15	SA15C	DO-15
1	23.2	21.5 SA14A	SA14CA	DO-15
1	25.8	19.4 SA14	SA14C	DO-15
1	21.5	23.2 SA13A	SA13CA	DO-15
1	23.8	21 SA13	SA13C	DO-15
1	19.9	25.1 SA12A	SA12CA	DO-15
1	22	22.7 SA12	SA12C	DO-15
1	18.2	27.4 SA11A	SA11CA	DO-15
1	20.1	24.9 SA11	SA11C	DO-15
1	17	29.4 SA10A	SA10CA	DO-15
1	18.8	26.6 SA10	SA10C	DO-15
5	15.4	32.5 SA9.0A	SA9.0CA	DO-15
5	16.9	29.5 SA9.0	SA9.0C	DO-15
20	14.4	34.7 SA8.5A	SA8.5CA	DO-15
20	15.9	31.4 SA8.5	SA8.5C	DO-15
50	13.6	36.7 SA8.0A	SA8.0CA	DO-15
50	15	33.3 SA8.0	SA8.0C	DO-15
100	12.9	38.8 SA7.5A	SA7.5CA	DO-15
100	14.3	35 SA7.5	SA7.5C	DO-15
300	12	41.7 SA7.0A	SA7.0CA	DO-15
300	13.3	37.8 SA7.0	SA7.0C	DO-15
800	11.2	44.7 SA6.5A	SA6.5CA	DO-15
800	12.3	40.7 SA6.5	SA6.5C	DO-15
1200	10.3	48.5 SA6.0A	SA6.0CA	DO-15
1200	11.4	43.9 SA6.0	SA6.0C	DO-15
1200	9.2	54.3 SA5.0A	SA5.0CA	DO-15
1200	9.6	52.3 SA5.0	SA5.0C	DO-15
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1	67.8	6.2 P4KE47	P4KE47C	DO-41
1	59.3	7.1 P4KE43A	P4KE43CA	DO-41
1	61.9	6.8 P4KE43	P4KE43C	DO-41
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1	47.7	9 P4KE33	P4KE33C DO-41
1	41.4	10 P4KE30A	P4KE30CA DO-41
1	43.5	10 P4KE30	P4KE30C DO-41
1	37.5	11.2 P4KE27A	P4KE27CA DO-41
1	39.1	11 P4KE27	P4KE27C DO-41
1	33.2	13 P4KE24A	P4KE24CA DO-41
1	34.7	12 P4KE24	P4KE24C DO-41
1	30.6	14 P4KE22A	P4KE22CA DO-41
1	31.9	13 P4KE22	P4KE22C DO-41
1	27.7	15 P4KE20A	P4KE20CA DO-41
1	29.1	14 P4KE20	P4KE20C DO-41
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1	26.5	16 P4KE18	P4KE18C DO-41
1	22.5	19 P4KE16A	P4KE16CA DO-41
1	23.5	18 P4KE16	P4KE16C DO-41
1	21.2	20 P4KE15A	P4KE15CA DO-41
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1	18.2	23 P4KE13A	P4KE13CA DO-41
1	19	22 P4KE13	P4KE13C DO-41
1	16.7	25 P4KE12A	P4KE12CA DO-41
1	17.3	24 P4KE12	P4KE12C DO-41
10	15.6	27 P4KE11A	P4KE11CA DO-41
10	16.2	26 P4KE11	P4KE11C DO-41
20	14.5	29 P4KE10A	P4KE10CA DO-41
20	15	28 P4KE10	P4KE10C DO-41
100	13.4	31 P4KE9.1A	P4KE9.1CADO-41
100	13.8	30 P4KE9.1	P4KE9.1C DO-41
400	12.1	35 P4KE8.2A	P4KE8.2CADO-41
400	12.5	33 P4KE8.2	P4KE8.2C DO-41
1000	11.3	37 P4KE7.5A	P4KE7.5CADO-41
1000	11.7	36 P4KE7.5	P4KE7.5C DO-41
2000	10.5	40 P4KE6.8A	P4KE6.8CADO-41
2000	10.8	38 P4KE6.8	P4KE6.8C DO-41