

# Agency Information

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# VZCA8.E322662 - SURGE-PROTECTIVE DEVICES CERTIFIED FOR CANADA - COMPONENT

## Surge-protective Devices Certified for Canada - Component

See General Information for Surge-protective Devices Certified for Canada - Component

**XIAMEN SET ELECTRONICS CO LTD**

8067 XIANG'AN XI RD XIAMEN TORCH  
HIGH-TECH INDUSTRIAL DEVELOPMENT ZONE  
XIANG'AN INDUSTRY DIST  
XIAMEN, FUJIAN 361101 CHINA

E322662

### Investigated to CSA C22.2 No. 269

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
#20S101K	5	60	AC	1	N/A	-40	85	Ld-Ld	-	310	60	100	5	N/A	1

### Investigated to CSA C22.2 No. 269

Cat No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB (°C)Min	AMB (°C)Max	MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	In (kA)	SCCR (kA)	NOTES
#20S102K	5	625	AC	1	N/A	-40	85	Ld-Ld	-	2540	625	1000	10	N/A	1
#20S112K	5	680	AC	1	N/A	-40	85	Ld-Ld	-	2740	680	1100	10	N/A	1
#20S121K	5	75	AC	1	N/A	-40	85	Ld-Ld	-	350	75	120	5	N/A	1
#20S122K	5	750	AC	1	N/A	-40	85	Ld-Ld	-	3000	750	1200	10	N/A	1
#20S151K	5	95	AC	1	N/A	-40	85	Ld-Ld	-	400	95	150	5	N/A	1
#20S181K	5	115	AC	1	N/A	-40	85	Ld-Ld	-	490	115	180	10	N/A	1
#20S201K	5	130	AC	1	N/A	-40	85	Ld-Ld	-	550	130	200	10	N/A	1
#20S220K	5	14	AC	1	N/A	-40	85	Ld-Ld	-	130	14	22	3	N/A	1
#20S221K	5	140	AC	1	N/A	-40	85	Ld-Ld	-	600	140	220	10	N/A	1
#20S241K	5	150	AC	1	N/A	-40	85	Ld-Ld	-	640	150	240	10	N/A	1
#20S270K	5	17	AC	1	N/A	-40	85	Ld-Ld	-	140	17	27	3	N/A	1
#20S271K	5	175	AC	1	N/A	-40	85	Ld-Ld	-	740	175	270	10	N/A	1

<b>MOV7D820KM#, SFV7D820KM#</b>	5	50	AC	1	N/A	-40	125	Ld- Ld	-	270	50	82	1	N/A	1, 5a
<b>MOV7D821K*</b>	5	510	AC	1	n/a	-40	105	Ld- Ld	-	1600	510	820	0.5	n/a	1,5a
<b>MOV7D821KM#, SFV7D821KM#</b>	5	510	AC	1	N/A	-40	125	Ld- Ld	-	1840	510	820	1	N/A	1, 5a
<b>MOV7D911K*</b>	5	550	AC	1	n/a	-40	105	Ld- Ld	-	1780	550	910	0.5	n/a	1,5a
<b>MOV7D911KM#, SFV7D911KM#</b>	5	550	AC	1	N/A	-40	125	Ld- Ld	-	1990	550	910	1	N/A	1, 5a
<b>MOV7D951K*</b>	5	575	AC	1	n/a	-40	105	Ld- Ld	-	1860	575	950	0.5	n/a	1,5a
<b>MOV7D951KM#, SFV7D951KM#</b>	5	575	AC	1	N/A	-40	125	Ld- Ld	-	2090	575	950	1	N/A	1, 5a
<b>SD05C120AH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120AHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120AM</b>	4CA	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120AMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120GH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120GHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120GM</b>	4CA	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120GMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	N/A N/A N/A	5	N/A	2

<b>SD05C120LH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120LHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120LM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120LMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120NH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120NHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120NM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C120NMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	5	N/A	2
<b>SD05C277AH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277AHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277AM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277AMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2

	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277GH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277GHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277GM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277GMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277LH</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277LHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277LM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277LMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277NH</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277NHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C277NM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2

<b>SD05C277NMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	5	N/A	2
<b>SD05C347AH</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347AHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347AM</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347AMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347GH</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347GHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347GM</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347GMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347LH</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347LHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2

<b>SD05C347LM</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347LMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347NH</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347NHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347NM</b>	4CA	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C347NMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	5	N/A	2
<b>SD05C480AH, SD05C480GH</b>	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2320 2890 2320	550 550 550	N/A - -	5	N/A	2
<b>SD05C480AHT, SD05C480GHT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	5	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	5	N/A	2,4
<b>SD05C480AM, SD05C480GM</b>	4CA	480	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2320 2890 2320	550 550 550	N/A n/a n/a	5	N/A	2
<b>SD05C480AMT, SD05C480GMT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	5	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	5	N/A	2,4
<b>SD05C480LH, SD05C480NH</b>	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2320 2330 2320	550 550 550	N/A - -	5	N/A	2
<b>SD05C480LHT, SD05C480NHT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	5	N/A	2,4

	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	5	N/A	2,4
<b>SD05C480LM, SD05C480NM</b>	4CA	480	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2320 2330 2320	550 550 550	N/A n/a n/a	5	N/A	2
<b>SD05C480LMT, SD05C480NMT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	5	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	5	N/A	2,4
<b>SD10C120EH</b>	5	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	10	N/A	2
<b>SD10C120EM</b>	5	120	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	N/A N/A N/A	10	N/A	2
<b>SD10C277EH</b>	5	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	10	N/A	2
<b>SD10C277EM</b>	5	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	N/A N/A N/A	10	N/A	2
<b>SD10C347EH</b>	5	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	10	N/A	2
<b>SD10C347EM</b>	5	347	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	N/A N/A N/A	10	N/A	2
<b>SD20R230A4-04</b>	4CA	400/230	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	- - - -	2920 1460 1660 1030	770 385 385 255	n/a n/a n/a n/a	20	n/a	1
<b>SD30R230B4-04</b>	4CA	400/230	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	- - - -	2740 1370 1630 1130	770 385 385 255	n/a n/a n/a n/a	20	n/a	1
<b>SFV10D101K*</b>	5	60	AC	1	n/a	-40	105	Ld- Ld	- -	210	60	100	0.5	n/a	1,5a
<b>SFV10D102K*</b>	5	625	AC	1	n/a	-40	105	Ld- Ld	- -	2010	625	1000	1	n/a	1,5a
<b>SFV10D112K*</b>	5	680	AC	1	n/a	-40	105	Ld- Ld	- -	2210	680	1100	1	n/a	1,5a
<b>SFV10D121K*</b>	5	75	AC	1	n/a	-40	105	Ld- Ld	- -	250	75	120	0.5	n/a	1,5a
<b>SFV10D122K*</b>	5	750	AC	1	n/a	-40	105	Ld- Ld	- -	2410	750	1200	1	n/a	1,5a
<b>SFV10D151K*</b>	5	95	AC	1	n/a	-40	105	Ld- Ld	- -	310	95	150	0.5	n/a	1,5a



<b>SFV7D431K*</b>	5	275	AC	1	n/a	-40	105	Ld-Ld	-	880	275	430	0.5	n/a	1,5a
<b>SFV7D470K*</b>	5	30	AC	1	n/a	-40	85	Ld-Ld	-	160	30	47	0.15	n/a	1,5a
<b>SFV7D471K*</b>	5	300	AC	1	n/a	-40	105	Ld-Ld	-	960	300	470	0.5	n/a	1,5a
<b>SFV7D511K*</b>	5	320	AC	1	n/a	-40	105	Ld-Ld	-	1040	320	510	0.5	n/a	1,5a
<b>SFV7D560K*</b>	5	35	AC	1	n/a	-40	85	Ld-Ld	-	200	35	56	0.15	n/a	1,5a
<b>SFV7D561K*</b>	5	350	AC	1	n/a	-40	105	Ld-Ld	-	1140	350	560	0.5	n/a	1,5a
<b>SFV7D621K*</b>	5	385	AC	1	n/a	-40	105	Ld-Ld	-	1260	385	620	0.5	n/a	1,5a
<b>SFV7D680K*</b>	5	40	AC	1	n/a	-40	85	Ld-Ld	-	240	40	68	0.15	n/a	1,5a
<b>SFV7D681K*</b>	5	420	AC	1	n/a	-40	105	Ld-Ld	-	1380	420	680	0.5	n/a	1,5a
<b>SFV7D751K*</b>	5	460	AC	1	n/a	-40	105	Ld-Ld	-	1470	460	750	0.5	n/a	1,5a
<b>SFV7D781K*</b>	5	485	AC	1	n/a	-40	105	Ld-Ld	-	1530	485	780	0.5	n/a	1,5a
<b>SFV7D820K*</b>	5	50	AC	1	n/a	-40	105	Ld-Ld	-	190	50	82	0.25	n/a	1,5a
<b>SFV7D821K*</b>	5	510	AC	1	n/a	-40	105	Ld-Ld	-	1600	510	820	0.5	n/a	1,5a
<b>SFV7D911K*</b>	5	550	AC	1	n/a	-40	105	Ld-Ld	-	1780	550	910	0.5	n/a	1,5a
<b>SFV7D951K*</b>	5	575	AC	1	n/a	-40	105	Ld-Ld	-	1860	575	950	0.5	n/a	1,5a
<b>SM15S201P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	660 740 680	127 127 127	N/A N/A N/A	5	N/A	1
<b>SM15S201P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	660 770 650	127 127 127	N/A N/A N/A	5	N/A	1
<b>SM15S221P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	630 710 770	140 140 140	N/A N/A N/A	5	N/A	1
<b>SM15S221P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	630 690 700	140 140 140	N/A N/A N/A	5	N/A	1
<b>SM15S241P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	700 740 780	150 150 150	N/A N/A N/A	5	N/A	1
<b>SM15S241P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	700 680 650	150 150 150	N/A N/A N/A	5	N/A	1

<b>SM15S271P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	730 750 750	175 175 175	N/A N/A N/A	5	N/A	1
<b>SM15S271P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	730 700 670	175 175 175	N/A N/A N/A	5	N/A	1
<b>SM15S471P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1110 1260 1210	275 275 275	N/A N/A N/A	5	N/A	1
<b>SM15S471P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1110 1300 1210	275 275 275	N/A N/A N/A	5	N/A	1
<b>SM15S511P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1300 1240 1240	320 320 320	N/A N/A N/A	5	N/A	1
<b>SM15S511P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1300 1280 1220	320 320 320	N/A N/A N/A	5	N/A	1
<b>SM15S561P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1370 1260 1220	350 350 350	N/A N/A N/A	5	N/A	1
<b>SM15S561P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1370 1330 1200	320 320 320	N/A N/A N/A	5	N/A	1
<b>SM15S621P3G(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1460 1470 1320	350 350 350	N/A N/A N/A	5	N/A	1
<b>SM15S621P3N(2)B</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1460 1450 1340	350 350 350	N/A N/A N/A	5	N/A	1
<b>SM21R2P101&amp;</b>	4CA	60	AC	1	n/a	-40	85	Ld- Ld	-	590	60	n/a	3	n/a	1
<b>SM21R2P121&amp;</b>	4CA	75	AC	1	n/a	-40	85	Ld- Ld	-	630	75	n/a	3	n/a	1
<b>SM21R2P151&amp;</b>	4CA	95	AC	1	n/a	-40	85	Ld- Ld	-	680	95	n/a	3	n/a	1
<b>SM21R2P181&amp;</b>	4CA	115	AC	1	n/a	-40	85	Ld- Ld	-	930	115	n/a	3	n/a	1
<b>SM21R2P201&amp;</b>	4CA	130	AC	1	n/a	-40	85	Ld- Ld	-	1060	130	n/a	3	n/a	1
<b>SM21R2P221&amp;</b>	4CA	140	AC	1	n/a	-40	85	Ld- Ld	-	1140	140	n/a	3	n/a	1
<b>SM21R2P241&amp;</b>	4CA	150	AC	1	n/a	-40	85	Ld- Ld	-	1230	150	n/a	3	n/a	1
<b>SM21R2P271&amp;</b>	4CA	175	AC	1	n/a	-40	85	Ld- Ld	-	1440	175	n/a	3	n/a	1
<b>SM21R2P301&amp;</b>	4CA	190	AC	1	n/a	-40	85	Ld- Ld	-	1510	190	n/a	3	n/a	1

<b>SM21R2P331&amp;</b>	4CA	210	AC	1	n/a	-40	85	Ld-Ld	-	1600	210	n/a	3	n/a	1
<b>SM21R2P361&amp;</b>	4CA	230	AC	1	n/a	-40	85	Ld-Ld	-	1690	230	n/a	3	n/a	1
<b>SM21R2P391&amp;</b>	4CA	250	AC	1	n/a	-40	85	Ld-Ld	-	1870	250	n/a	3	n/a	1
<b>SM21R2P431&amp;</b>	4CA	275	AC	1	n/a	-40	85	Ld-Ld	-	2090	275	n/a	3	n/a	1
<b>SM21R2P470&amp;</b>	4CA	30	AC	1	n/a	-40	85	Ld-Ld	-	390	30	n/a	3	n/a	1
<b>SM21R2P471&amp;</b>	4CA	300	AC	1	n/a	-40	85	Ld-Ld	-	2310	300	n/a	3	n/a	1
<b>SM21R2P511&amp;</b>	4CA	320	AC	1	n/a	-40	85	Ld-Ld	-	2490	320	n/a	3	n/a	1
<b>SM21R2P560&amp;</b>	4CA	35	AC	1	n/a	-40	85	Ld-Ld	-	430	35	n/a	3	n/a	1
<b>SM21R2P680&amp;</b>	4CA	40	AC	1	n/a	-40	85	Ld-Ld	-	460	40	n/a	3	n/a	1
<b>SM21R2P820&amp;</b>	4CA	50	AC	1	n/a	-40	85	Ld-Ld	-	560	50	n/a	3	n/a	1
<b>SM25S101P1(1)</b>	4CA	60	AC	1	16	-40	80	Ld-Ld	-	310	60	100	5	N/A	1
<b>SM25S121P1(1)</b>	4CA	75	AC	1	16	-40	80	Ld-Ld	-	350	75	120	5	N/A	1
<b>SM25S151P1(1)</b>	4CA	95	AC	1	16	-40	80	Ld-Ld	-	390	95	150	5	N/A	1
<b>SM25S181P1(1)</b>	4CA	115	AC	1	16	-40	80	Ld-Ld	-	630	115	180	10	N/A	1
<b>SM25S201P1(1)</b>	4CA	130	AC	1	16	-40	80	Ld-Ld	-	670	130	200	10	N/A	1
<b>SM25S221P1(1)</b>	4CA	140	AC	1	16	-40	80	Ld-Ld	-	710	140	220	10	N/A	1
<b>SM25S241P1(1)</b>	4CA	150	AC	1	16	-40	80	Ld-Ld	-	780	150	240	10	N/A	1
<b>SM25S271P1(1)</b>	4CA	175	AC	1	16	-40	80	Ld-Ld	-	850	175	270	10	N/A	1
<b>SM25S301P1(1)</b>	4CA	190	AC	1	16	-40	80	Ld-Ld	-	910	190	300	10	N/A	1
<b>SM25S331P1(1)</b>	4CA	210	AC	1	16	-40	80	Ld-Ld	-	970	210	330	10	N/A	1
<b>SM25S361P1(1)</b>	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1030	230	360	10	N/A	1
<b>SM25S391P1(1)</b>	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1090	250	390	10	N/A	1
<b>SM25S431P1(1)</b>	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1160	275	420	10	N/A	1

<b>SM25S470P1(1)</b>	4CA	30	AC	1	16	-40	80	Ld-Ld	-	200	30	47	3	N/A	1
<b>SM25S471P1(1)</b>	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1220	300	470	10	N/A	1
<b>SM25S511P1(1)</b>	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1290	320	510	10	N/A	1
<b>SM25S560P1(1)</b>	4CA	35	AC	1	16	-40	80	Ld-Ld	-	230	35	56	3	N/A	1
<b>SM25S561P1(1)</b>	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1370	350	560	10	N/A	1
<b>SM25S621P1(1)</b>	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1480	385	620	10	N/A	1
<b>SM25S680P1(1)</b>	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	68	3	N/A	1
<b>SM25S681P1(1)</b>	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1590	420	680	10	N/A	1
<b>SM25S820P1(1)</b>	4CA	50	AC	1	16	-40	80	Ld-Ld	-	270	50	82	5	N/A	1
<b>SM34S201P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1070 720 620	255 127 127	N/A N/A N/A	20	N/A	1
<b>SM34S201P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1070 610 580	255 127 127	N/A N/A N/A	20	N/A	1
<b>SM34S221P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1200 730 680	275 140 140	N/A N/A N/A	20	N/A	1
<b>SM34S221P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1200 680 650	275 140 140	N/A N/A N/A	20	N/A	1
<b>SM34S241P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1240 750 630	275 150 150	N/A N/A N/A	20	N/A	1
<b>SM34S241P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1240 670 680	275 150 150	N/A N/A N/A	20	N/A	1
<b>SM34S271P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1300 720 700	275 175 175	N/A N/A N/A	20	N/A	1
<b>SM34S271P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1300 770 710	275 175 175	N/A N/A N/A	20	N/A	1
<b>SM34S431P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1950 1030 970	350 275 275	N/A N/A N/A	20	N/A	1
<b>SM34S431P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1950 1071 1030	350 275 275	N/A N/A N/A	20	N/A	1

<b>SM34S471P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2180 1140 1070	350 300 300	N/A N/A N/A	20	N/A	1
<b>SM34S471P2GBH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2350 1210 1210	300 300 300	n/a n/a n/a	10	N/A	1
<b>SM34S471P2GBM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2390 1730 1210	300 300 300	n/a n/a n/a	10	N/A	1
<b>SM34S471P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2180 1190 1140	350 300 300	N/A N/A N/A	20	N/A	1
<b>SM34S511P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2270 1210 1140	350 320 320	N/A N/A N/A	20	N/A	1
<b>SM34S511P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2270 1220 1180	350 320 320	N/A N/A N/A	20	N/A	1
<b>SM34S561P2G(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2650 1340 1310	350 350 350	N/A N/A N/A	20	N/A	1
<b>SM34S561P2N(3)</b>	4CA	AC	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2650 1410 1400	350 350 350	N/A N/A N/A	20	N/A	1
<b>SPB05K277(2)</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1330 1260 1250	320 320 320	N/A N/A N/A	5	N/A	2
<b>SPB05K277(2)T</b>	4CA	277	AC	1	7	-40	75	L-N L-G N-G	- - -	1190 1160 1150	320 320 320	N/A N/A N/A	5	N/A	2
<b>SPB05K480(2)</b>	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2130 2300 2330	550 550 550	N/A N/A N/A	5	N/A	2
<b>SPB05K480(2)T</b>	4CA	480	AC	1	7	-40	75	L-N L-G N-G	- - -	2110 2260 2050	550 550 550	N/A N/A N/A	5	N/A	2
<b>SPD40-3P-SET</b>	4CA	400/230	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	- - - -	2920 1460 1660 1030	770 385 385 255	n/a n/a n/a n/a	20	n/a	1
<b>SPD60-3P-SET</b>	4CA	400/230	AC	3Y	n/a	-40	85	L-L L-N L-G N-G	- - - -	2740 1370 1630 1130	770 385 385 255	n/a n/a n/a n/a	20	n/a	1
<b>TFMOV10M115</b>	4CA	108	AC	1	N/A	-40	85	Ld- Ld	- -	510	115	N/A	10	N/A	1
<b>TFMOV10M130</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	- -	560	130	N/A	10	N/A	1
<b>TFMOV10M140</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	- -	600	140	N/A	10	N/A	1

<b>SFV20D391K*T</b>	5	250	AC	1	N/A	-40	135	Ld-Ld	-	960	250	390	5	n/a	1,5a
<b>SFV20D431K*T</b>	5	275	AC	1	N/A	-40	135	Ld-Ld	-	1040	275	430	5	n/a	1,5a
<b>SFV20D471K*T</b>	5	300	AC	1	N/A	-40	135	Ld-Ld	-	1130	300	470	5	n/a	1,5a
<b>SFV20D511K*T</b>	5	320	AC	1	N/A	-40	135	Ld-Ld	-	1210	320	510	5	n/a	1,5a
<b>SFV20D561K*T</b>	5	350	AC	1	N/A	-40	135	Ld-Ld	-	1320	350	560	5	n/a	1,5a
<b>SFV20D621K*T</b>	5	385	AC	1	N/A	-40	135	Ld-Ld	-	1450	385	620	5	n/a	1,5a
<b>SFV20D681K*T</b>	5	420	AC	1	N/A	-40	135	Ld-Ld	-	1580	420	680	5	n/a	1,5a
<b>SFV20D751K*T</b>	5	460	AC	1	N/A	-40	135	Ld-Ld	-	1720	460	750	5	n/a	1,5a
<b>SFV20D781K*T</b>	5	485	AC	1	N/A	-40	135	Ld-Ld	-	1780	485	780	5	n/a	1,5a
<b>SFV20D820K*T</b>	5	50	AC	1	N/A	-40	135	Ld-Ld	-	380	50	82	5	n/a	1,5a
<b>SFV20D821K*T</b>	5	510	AC	1	N/A	-40	135	Ld-Ld	-	1860	510	820	5	n/a	1,5a
<b>SFV20D911K*T</b>	5	550	AC	1	N/A	-40	135	Ld-Ld	-	2040	550	910	5	n/a	1,5a
<b>SFV20D951K*T</b>	5	575	AC	1	N/A	-40	135	Ld-Ld	-	2120	575	950	5	n/a	1,5a
<b>SD10C</b>															
<b>SD10C120AH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120AHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120AM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120AMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120GH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2

<b>SD10C120GHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120GM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120GMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1300 1300	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120LH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120LH-D</b>	4CA	120	AC	1	n/a	-40	85	L-N	-	1080	150	n/a	10	n/a	2
<b>SD10C120LHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120LHT-D</b>	4CA	120	AC	1	15	-40	50	L-N	-	1080	150	N/A	10	N/A	2
	4CA	120	AC	1	5	-40	80	L-N	-	1080	150	N/A	10	N/A	2
<b>SD10C120LM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120LM-D</b>	4CA	120	AC	1	n/a	-40	85	L-N	-	1080	150	n/a	10	n/a	2
<b>SD10C120LMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120LMT-D</b>	4CA	120	AC	1	15	-40	50	L-N	-	1080	150	N/A	10	N/A	2
	4CA	120	AC	1	5	-40	80	L-N	-	1080	150	N/A	10	N/A	2
<b>SD10C120NH</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120NH-D</b>	4CA	120	AC	1	n/a	-40	85	L-N	-	1080	150	n/a	10	n/a	2
<b>SD10C120NHT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2

	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120NM</b>	4CA	120	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C120NM-D</b>	4CA	120	AC	1	n/a	-40	85	L-N	-	1080	150	n/a	10	n/a	2
<b>SD10C120NMT</b>	4CA	120	AC	1	15	-40	50	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
	4CA	120	AC	1	5	-40	80	L-N L-G N-G	- - -	1080 1120 1100	150 150 150	n/a n/a n/a	10	n/a	2
<b>SD10C277AH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277AHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277AM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277AMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277GH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277GHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277GM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277GMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1860 1860	320 320 320	n/a n/a n/a	10	n/a	2



<b>SD10C277LH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277LH-D</b>	4CA	277	AC	1	n/a	-40	85	L-N	-	1590	320	n/a	10	n/a	2
<b>SD10C277LHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277LHT-D</b>	4CA	277	AC	1	15	-40	50	L-N	-	1590	320	N/A	10	N/A	2
	4CA	277	AC	1	5	-40	80	L-N	-	1590	320	N/A	10	N/A	2
<b>SD10C277LM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	5	n/a	2
<b>SD10C277LM-D</b>	4CA	277	AC	1	n/a	-40	85	L-N	-	1590	320	n/a	5	n/a	2
<b>SD10C277LMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	5	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	5	n/a	2
<b>SD10C277LMT-D</b>	4CA	277	AC	1	15	-40	50	L-N	-	1590	320	N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N	-	1590	320	N/A	5	N/A	2
<b>SD10C277NH</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277NH-D</b>	4CA	277	AC	1	n/a	-40	85	L-N	-	1590	320	n/a	10	n/a	2
<b>SD10C277NHT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277NM</b>	4CA	277	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C277NM-D</b>	4CA	277	AC	1	n/a	-40	85	L-N	-	1590	320	n/a	10	n/a	2
<b>SD10C277NMT</b>	4CA	277	AC	1	15	-40	50	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
	4CA	277	AC	1	5	-40	80	L-N L-G N-G	- - -	1590 1550 1560	320 320 320	n/a n/a n/a	10	n/a	2
<b>SD10C347AH</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2

<b>SD10C347AHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347AM</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347AMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347GH</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347GHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347GM</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347GMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 2180 2180	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347LH</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347LH-D</b>	4CA	347	AC	1	n/a	-40	85	L-N	-	1960	420	n/a	10	n/a	2
<b>SD10C347LHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347LHT-D</b>	4CA	347	AC	1	15	-40	50	L-N	-	1960	420	N/A	10	N/A	2
	4CA	347	AC	1	5	-40	80	L-N	-	1960	420	N/A	10	N/A	2
<b>SD10C347LM</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347LM-D</b>	4CA	347	AC	1	n/a	-40	85	L-N	-	1960	420	n/a	10	n/a	2

<b>SD10C347LMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347LMT-D</b>	4CA	347	AC	1	15	-40	50	L-N	-	1960	420	N/A	10	N/A	2
	4CA	347	AC	1	5	-40	80	L-N	-	1960	420	N/A	10	N/A	2
<b>SD10C347NH</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347NH-D</b>	4CA	347	AC	1	n/a	-40	85	L-N	-	1960	420	n/a	10	n/a	2
<b>SD10C347NHT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347NM</b>	4CA	347	AC	1	n/a	-40	85	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD10C347NM-D</b>	4CA	347	AC	1	n/a	-40	85	L-N	-	1960	420	n/a	10	n/a	2
<b>SD10C347NMT</b>	4CA	347	AC	1	15	-40	50	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
	4CA	347	AC	1	5	-40	80	L-N L-G N-G	- - -	1960 1980 1950	420 420 420	n/a n/a n/a	10	n/a	2
<b>SD05C</b>															
<b>SD05C120LHT-D</b>	4CA	120	AC	1	15	-40	50	L-N	-	1080	150	N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N	-	1080	150	N/A	5	N/A	2
<b>SD05C120LMT-D</b>	4CA	120	AC	1	15	-40	50	L-N	-	1080	150	N/A	5	N/A	2
	4CA	120	AC	1	5	-40	80	L-N	-	1080	150	N/A	5	N/A	2
<b>SD05C277LHT-D</b>	4CA	277	AC	1	15	-40	50	L-N	-	1590	320	N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N	-	1590	320	N/A	5	N/A	2
<b>SD05C277LMT-D</b>	4CA	277	AC	1	15	-40	50	L-N	-	1590	320	N/A	5	N/A	2
	4CA	277	AC	1	5	-40	80	L-N	-	1590	320	N/A	5	N/A	2
<b>SD05C347LHT-D</b>	4CA	347	AC	1	15	-40	50	L-N	-	1960	420	N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N	-	1960	420	N/A	5	N/A	2
<b>SD05C347LMT-D</b>	4CA	347	AC	1	15	-40	50	L-N	-	1960	420	N/A	5	N/A	2
	4CA	347	AC	1	5	-40	80	L-N	-	1960	420	N/A	5	N/A	2
<b>MOV20D</b>															

<b>MOV20D820K*T</b>	5	50	AC	1	N/A	-40	135	Ld-Ld	-	380	50	82	5	n/a	1,5a
<b>MOV20D821K*T</b>	5	510	AC	1	N/A	-40	135	Ld-Ld	-	1860	510	820	5	n/a	1,5a
<b>MOV20D911K*T</b>	5	550	AC	1	N/A	-40	135	Ld-Ld	-	2040	550	910	5	n/a	1,5a
<b>MOV20D951K*T</b>	5	575	AC	1	N/A	-40	135	Ld-Ld	-	2120	575	950	5	n/a	1,5a
<b>SD05E277AM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1460 1580 1610	320 320 320	N/A - -	5	N/A	2
<b>SD05E277AMT</b>	4CA	277	AC	1	7	-40	50	L-N L-G N-G	- - -	1340 1510 1480	320 320 320	N/A - -	5	N/A	2, 4
<b>SD05E277LM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1460 1510 1500	320 320 320	N/A - -	5	N/A	2
<b>SD05E277LMT</b>	4CA	277	AC	1	7	-40	50	L-N L-G N-G	- - -	1340 1390 1380	320 320 320	N/A - -	5	N/A	2, 4
<b>SD05K277AM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1290 1670 1680	320 320 320	N/A - -	5	N/A	2
<b>SD05K277AMT</b>	4CA	277	AC	1	7	-40	50	L-N L-G N-G	- - -	1270 1580 1640	320 320 320	N/A - -	5	N/A	2, 4
<b>SD05K277LM</b>	4CA	277	AC	1	N/A	-40	85	L-N L-G N-G	- - -	1290 1300 1400	320 320 320	N/A - -	5	N/A	2
<b>SD05K277LMT</b>	4CA	277	AC	1	7	-40	50	L-N L-G N-G	- - -	1270 1340 1280	320 320 320	N/A - -	5	N/A	2, 4
<b>SD10C480AH, SD10C480GH</b>	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2320 2890 2320	550 550 550	N/A - -	10	N/A	2
<b>SD10C480AHT, SD10C480GHT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	10	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	10	N/A	2,4
<b>SD10C480AM, SD10C480GM</b>	4CA	480	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2320 2890 2320	550 550 550	N/A n/a n/a	10	N/A	2
<b>SD10C480AMT, SD10C480GMT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	10	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2310 2370	550 550 550	N/A n/a n/a	10	N/A	2,4

<b>SD10C480LH, SD10C480NH</b>	4CA	480	AC	1	N/A	-40	85	L-N L-G N-G	- - -	2320 2330 2320	550 550 550	N/A - -	10	N/A	2
<b>SD10C480LH-D, SD10C480NH-D</b>	4CA	480	AC	1	N/A	-40	85	L-N	-	2320	550	N/A	10	N/A	2
<b>SD10C480LHT, SD10C480NHT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	10	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	10	N/A	2,4
<b>SD10C480LM, SD10C480NM</b>	4CA	480	AC	1	n/a	-40	85	L-N L-G N-G	- - -	2320 2330 2320	550 550 550	N/A n/a n/a	5	N/A	2
<b>SD10C480LM-D, SD10C480NM-D</b>	4CA	480	AC	1	n/a	-40	85	L-N	-	2320	550	N/A	5	N/A	2
<b>SD10C480LMT, SD10C480NMT</b>	4CA	480	AC	1	15	-40	50	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	10	N/A	2,4
	4CA	480	AC	1	5	-40	80	L-N L-G N-G	- - -	2170 2190 2260	550 550 550	N/A n/a n/a	10	N/A	2,4
<b>TFMOV10K101\$</b>	4CA	48	AC	1	N/A	-40	85	Ld- Ld	-	210	60	N/A	5	N/A	1
<b>TFMOV10K102\$</b>	4CA	480	AC	1	N/A	-40	85	Ld- Ld	-	2250	625	N/A	10	N/A	1
<b>TFMOV10K112\$</b>	4CA	480	AC	1	N/A	-40	85	Ld- Ld	-	2390	680	N/A	10	N/A	1
<b>TFMOV10K121\$</b>	4CA	60	AC	1	N/A	-40	85	Ld- Ld	-	250	75	N/A	5	N/A	1
<b>TFMOV10K122\$</b>	4CA	480	AC	1	N/A	-40	85	Ld- Ld	-	2580	750	N/A	10	N/A	1
<b>TFMOV10K151\$</b>	4CA	60	AC	1	N/A	-40	85	Ld- Ld	-	310	95	N/A	5	N/A	1
<b>TFMOV10K181\$</b>	4CA	108	AC	1	N/A	-40	85	Ld- Ld	-	530	115	N/A	10	N/A	1
<b>TFMOV10K201\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	650	130	N/A	10	N/A	1
<b>TFMOV10K221\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	730	140	N/A	10	N/A	1
<b>TFMOV10K241\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	810	150	N/A	10	N/A	1
<b>TFMOV10K271\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	810	150	N/A	10	N/A	1
<b>TFMOV10K301\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	910	190	N/A	10	N/A	1
<b>TFMOV10K331\$</b>	4CA	120	AC	1	N/A	-40	85	Ld- Ld	-	960	210	N/A	10	N/A	1

<b>TFMOV10M175</b>	4-1	120	AC	1	N/A	-40	85	Ld-Ld	700	-	175	-	10	200	1
<b>TFMOV10M300</b>	4-1	240/120	AC	1S	N/A	-40	85	L-L	1000	-	300	-	10	200	1
<b>TFMOV10M350</b>	4-1	277	AC	1	N/A	-40	85	Ld-Ld	1200	-	350	-	10	200	1
<b>TFMOV10M420</b>	4-1	347	AC	1	N/A	-40	85	Ld-Ld	1500	-	420	-	10	150	1
<b>TFMOV10M550</b>	4-1	480/277	AC	3Y	N/A	-40	85	L-L	1800	-	550	-	10	200	1
<b>TFMOV15K150\$</b>	4-1	120	AC	1	N/A	-40	85	Ld-Ld	600	-	150	-	10	200	1
<b>TFMOV15K300\$</b>	4-1	220	AC	1	N/A	-40	85	Ld-Ld	900	-	300	-	10	200	1
<b>TFMOV15K350\$</b>	4-1	277	AC	1	N/A	-40	85	Ld-Ld	1200	-	350	-	10	200	1
<b>TFMOV15K460\$</b>	4-1	347	AC	1	N/A	-40	85	Ld-Ld	1500	-	460	-	10	150	1
<b>TFMOV15K550\$</b>	4-1	480	AC	1	N/A	-40	85	Ld-Ld	1500	-	550	-	10	150	1
<b>TFMOV21R3P201@</b>	4-3	130	AC	1	15	-40	80	L-N L-G N-G	500 500 500	- - -	130 130 130	- - -	5	N/A	1
<b>TFMOV20K150 , TFMOV20K150-IT</b>	4-1	120	AC	1	N/A	-40	85	Ld-Ld	600	-	150	-	20	200	1
<b>TFMOV20K300 , TFMOV20K300-IT</b>	4-1	220	AC	1	N/A	-40	85	Ld-Ld	900	-	300	-	20	200	1
<b>TFMOV20K350 , TFMOV20K350-IT</b>	4-1	277	AC	1	N/A	-40	85	Ld-Ld	1200	-	350	-	20	200	1
<b>TFMOV20K460 , TFMOV20K460-IT</b>	4-1	347	AC	1	N/A	-40	85	Ld-Ld	1500	-	460	-	20	200	1
<b>TFMOV20K550 , TFMOV20K550-IT</b>	4-1	480	AC	1	N/A	-40	85	Ld-Ld	1500	-	550	-	20	200	1
<b>TFMOV40K150-IT , TFMOV40K150-2IT</b>	4-1	120	AC	1	N/A	-40	85	Ld-Ld	600	-	150	-	20	200	1
<b>TFMOV40K300-IT , TFMOV40K300-2IT</b>	4-1	220	AC	1	N/A	-40	85	Ld-Ld	900	-	300	-	20	200	1
<b>TFMOV40K350-IT , TFMOV40K350-2IT</b>	4-1	277	AC	1	N/A	-40	85	Ld-Ld	1200	-	350	-	20	200	1
<b>TFMOV40K460-IT , TFMOV40K460-2IT</b>	4-1	347	AC	1	N/A	-40	85	Ld-Ld	1500	-	460	-	20	150	1
<b>TFMOV40K550-IT , TFMOV40K550-2IT</b>	4-1	480	AC	1	N/A	-40	85	Ld-Ld	1500	-	550	-	20	150	1

**Notes:**

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.

4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.

5. Body of discrete component metal-oxide varistors (MOVs) flammability:

- a) Min. V-0 or VTM-0.
- b) Min. V-1 or VTM-1.
- c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
- d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.

SPDs investigated for Type 1 applications are automatically suitable for Type 2 applications and may be marked for SPD Type 1 and/or Type 2 applications. SPDs only marked "SPD Type 2" are not suitable for Type 1 applications.

Where a minimum ambient temperature is not specified, assume 0°C unless the product is marked otherwise or with an Outdoor use Environmental Rating. See Electrical Equipment for Use in Ordinary Locations (AALZ) for details regarding Environmental Ratings.

# - May be prefixed YMJ, suffix K may be replaced by S, J, or H for business purpose.

\$ - may be f/b B, G, M, or H, may be followed by -IT

& - May be followed by -P.

(1) - May be followed by -IT.

(2) - Follow by any letter (A ~ Z).

(3) - Follow by any letter (A ~ Z), follow by A or B

(4) - f/b K, S, J, H or Q f/b blank, 2 or 3

(5) - Rated for used in altitude up to 4000m

(a) - May be followed by -01~-99.

\* - May be prefixed YMJ, suffix K may be replaced by S, J, or H for business purpose.

@ - Model may be followed by -F and may be followed by H.

Marking: Company name or tradename "MOV", "SFV" or trademark , **SET**fuse, **SET**, **SET**safe, model designation and the Recognized Component Mark for Canada,  on the product or on the smallest unit container in which the product is packaged.

Last Updated on 2019-07-09

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