

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

SM34S471P2G(3)	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
SM34S471P2GBH	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
SM34S471P2GBM	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
SM34S471P2N(3)	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
SM34S511P2G(3)	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
SM34S511P2N(3)	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
SM34S561P2G(3)	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
SM34S561P2N(3)	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
SPB05K277(2)	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
SPB05K277(2)T	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
SPB05K480(2)	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
SPB05K480(2)T	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
SPD40-3P-SET	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
SPD60-3P-SET	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
TFMOV10M115	4CA	108	AC	1	N/A	-40	85	Ld- Ld	- -	510	115	N/A	10	N/A	1
TFMOV10M130	4CA	120	AC	1	N/A	-40	85	Ld- Ld	- -	560	130	N/A	10	N/A	1
TFMOV10M140	4CA	120	AC	1	N/A	-40	85	Ld- Ld	- -	600	140	N/A	10	N/A	1

TFMOV10M150	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	640	150	N/A	10	N/A	1
TFMOV10M190	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	780	190	N/A	10	N/A	1
TFMOV10M210	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	850	210	N/A	10	N/A	1
TFMOV10M230	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	930	230	N/A	10	N/A	1
TFMOV10M250	4CA	220	AC	1	N/A	-40	85	Ld-Ld	-	1000	250	N/A	10	N/A	1
TFMOV10M275	4CA	230	AC	1	N/A	-40	85	Ld-Ld	-	1080	275	N/A	10	N/A	1
TFMOV10M320	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1220	320	N/A	10	N/A	1
TFMOV10M385 (5)	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1430	385	N/A	10	N/A	1
	4CA	500	DC PV	-	N/A	-40	85	Ld-Ld	-	1470	500	N/A	10	N/A	1
TFMOV10M420 (DCPV)	4CA	560	DC PV	-	N/A	-40	85	Ld-Ld	-	1540	560	N/A	10	N/A	1
TFMOV10M460	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1690	460	N/A	10	N/A	1
	4CA	600	DC PV	-	N/A	-40	85	Ld-Ld	-	1590	600	N/A	10	N/A	1
TFMOV10M50	4CA	24	AC	1	N/A	-40	85	Ld-Ld	-	350	50	N/A	10	N/A	1
TFMOV10M510 (5)	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1870	510	N/A	10	N/A	1
	4CA	670	DC PV	-	N/A	-40	85	Ld-Ld	-	1670	670	N/A	10	N/A	1
TFMOV10M550 (DCPV)	4CA	720	DC PV	-	N/A	-40	85	Ld-Ld	-	1880	720	N/A	10	N/A	1
TFMOV10M60	4CA	48	AC	1	N/A	-40	85	Ld-Ld	-	370	60	N/A	10	N/A	1
TFMOV10M625	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2290	625	N/A	10	N/A	1
	4CA	800	DC PV	-	N/A	-40	85	Ld-Ld	-	2230	800	N/A	10	N/A	1
TFMOV10M680 (5)	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2490	680	N/A	10	N/A	1
	4CA	880	DC PV	-	N/A	-40	85	Ld-Ld	-	2570	880	N/A	10	N/A	1
TFMOV10M75	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	410	75	N/A	10	N/A	1
TFMOV10M95	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	460	95	N/A	10	N/A	1

TFMOV10S101	4CA	60	AC	1	5	-40	80	Ld-Ld	-	320	60	100	1.5	n/a	1
TFMOV10S121	4CA	75	AC	1	5	-40	80	Ld-Ld	-	340	75	120	1.5	n/a	1
TFMOV10S151	4CA	95	AC	1	5	-40	80	Ld-Ld	-	390	95	150	1.5	n/a	1
TFMOV10S181	4CA	115	AC	1	5	-40	80	Ld-Ld	-	550	115	180	3	n/a	1
TFMOV10S201	4CA	130	AC	1	5	-40	80	Ld-Ld	-	600	130	200	3	n/a	1
TFMOV10S220	4CA	14	AC	1	5	-40	80	Ld-Ld	-	140	14	22	1	n/a	1
TFMOV10S221	4CA	140	AC	1	5	-40	80	Ld-Ld	-	650	140	220	3	n/a	1
TFMOV10S241	4CA	150	AC	1	5	-40	80	Ld-Ld	-	700	150	240	3	n/a	1
TFMOV10S270	4CA	17	AC	1	5	-40	80	Ld-Ld	-	150	17	27	1	n/a	1
TFMOV10S271	4CA	175	AC	1	5	-40	80	Ld-Ld	-	770	180	270	3	n/a	1
TFMOV10S301	4CA	190	AC	1	5	-40	80	Ld-Ld	-	850	190	300	3	n/a	1
TFMOV10S330	4CA	20	AC	1	5	-40	80	Ld-Ld	-	160	20	33	1	n/a	1
TFMOV10S331	4CA	210	AC	1	5	-40	80	Ld-Ld	-	920	210	330	3	n/a	1
TFMOV10S361	4CA	230	AC	1	5	-40	80	Ld-Ld	-	1000	230	360	3	n/a	1
TFMOV10S390	4CA	25	AC	1	5	-40	80	Ld-Ld	-	180	25	39	1	n/a	1
TFMOV10S391	4CA	250	AC	1	5	-40	80	Ld-Ld	-	1070	250	390	3	n/a	1
TFMOV10S431	4CA	275	AC	1	5	-40	80	Ld-Ld	-	1150	275	430	3	n/a	1
TFMOV10S470	4CA	30	AC	1	5	-40	80	Ld-Ld	-	200	30	47	1	n/a	1
TFMOV10S471	4CA	300	AC	1	5	-40	80	Ld-Ld	-	1220	300	470	3	n/a	1
TFMOV10S511	4CA	320	AC	1	5	-40	80	Ld-Ld	-	1300	320	510	3	n/a	1
TFMOV10S560	4CA	35	AC	1	5	-40	80	Ld-Ld	-	220	35	56	1	n/a	1
TFMOV10S561	4CA	350	AC	1	5	-40	80	Ld-Ld	-	1420	350	560	3	n/a	1
TFMOV10S621	4CA	385	AC	1	5	-40	80	Ld-Ld	-	1570	385	620	3	n/a	1

TFMOV10S680	4CA	40	AC	1	5	-40	80	Ld-Ld	-	260	40	68	1	n/a	1
TFMOV10S681	4CA	420	AC	1	5	-40	80	Ld-Ld	-	1710	420	680	3	n/a	1
TFMOV10S820	4CA	50	AC	1	5	-40	80	Ld-Ld	-	290	50	82	1.5	n/a	1
TFMOV15S101	4CA	60	AC	1	16	-40	80	Ld-Ld	-	340	60	100	2.5	n/a	1
TFMOV15S102	4CA	625	AC	1	16	-40	80	Ld-Ld	-	1840	625	1000	5	n/a	1
TFMOV15S112	4CA	680	AC	1	16	-40	80	Ld-Ld	-	1890	680	1100	5	n/a	1
TFMOV15S121	4CA	75	AC	1	16	-40	80	Ld-Ld	-	360	75	120	2.5	n/a	1
TFMOV15S122	4CA	690	AC	1	16	-40	80	Ld-Ld	-	1950	750	1200	5	n/a	1
TFMOV15S151	4CA	95	AC	1	16	-40	80	Ld-Ld	-	400	95	150	2.5	n/a	1
TFMOV15S181	4CA	115	AC	1	16	-40	80	Ld-Ld	-	570	115	180	5	n/a	1
TFMOV15S201	4CA	130	AC	1	16	-40	80	Ld-Ld	-	500	130	200	5	n/a	1
TFMOV15S220	4CA	14	AC	1	16	-40	80	Ld-Ld	-	130	14	22	1.5	n/a	1
TFMOV15S221	4CA	140	AC	1	16	-40	80	Ld-Ld	-	550	140	220	5	n/a	1
TFMOV15S241	4CA	150	AC	1	16	-40	80	Ld-Ld	-	600	150	240	5	n/a	1
TFMOV15S270	4CA	17	AC	1	16	-40	80	Ld-Ld	-	140	17	27	1.5	n/a	1
TFMOV15S271	4CA	175	AC	1	16	-40	80	Ld-Ld	-	680	180	270	5	n/a	1
TFMOV15S301	4CA	190	AC	1	16	-40	80	Ld-Ld	-	750	190	300	5	n/a	1
TFMOV15S330	4CA	20	AC	1	16	-40	80	Ld-Ld	-	160	20	33	1.5	n/a	1
TFMOV15S331	4CA	210	AC	1	16	-40	80	Ld-Ld	-	830	210	330	5	n/a	1
TFMOV15S361	4CA	230	AC	1	16	-40	80	Ld-Ld	-	900	230	360	5	n/a	1
TFMOV15S390	4CA	25	AC	1	16	-40	80	Ld-Ld	-	180	25	39	1.5	n/a	1
TFMOV15S391	4CA	250	AC	1	16	-40	80	Ld-Ld	-	970	250	390	5	n/a	1
TFMOV15S431	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1070	275	430	5	n/a	1

TFMOV15S470	4CA	30	AC	1	16	-40	80	Ld-Ld	-	220	30	47	1.5	n/a	1
TFMOV15S471	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1170	300	470	5	n/a	1
TFMOV15S511	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1270	320	510	5	n/a	1
TFMOV15S560	4CA	35	AC	1	16	-40	80	Ld-Ld	-	240	35	56	1.5	n/a	1
TFMOV15S561	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1400	350	560	5	n/a	1
TFMOV15S621	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1550	385	620	5	n/a	1
TFMOV15S680	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	68	1.5	n/a	1
TFMOV15S681	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1690	420	680	5	n/a	1
TFMOV15S751	4CA	460	AC	1	16	-40	80	Ld-Ld	-	1720	460	750	5	n/a	1
TFMOV15S781	4CA	485	AC	1	16	-40	80	Ld-Ld	-	1730	485	780	5	n/a	1
TFMOV15S820	4CA	50	AC	1	16	-40	80	Ld-Ld	-	320	50	82	2.5	n/a	1
TFMOV15S821	4CA	510	AC	1	16	-40	80	Ld-Ld	-	1750	510	820	5	n/a	1
TFMOV15S911	4CA	550	AC	1	16	-40	80	Ld-Ld	-	1770	550	910	5	n/a	1
TFMOV15S951	4CA	575	AC	1	16	-40	80	Ld-Ld	-	1810	575	950	5	n/a	1
TFMOV20S101\$	4CA	60	AC	1	16	-40	80	Ld-Ld	-	310	60	100	5	n/a	1
TFMOV20S101L(1)	4CA	60	AC	1	16	-40	80	Ld-Ld	-	310	60	N/A	5	N/A	1
TFMOV20S102\$	4CA	625	AC	1	16	-40	80	Ld-Ld	-	2240	625	1000	10	n/a	1
TFMOV20S112\$	4CA	680	AC	1	16	-40	80	Ld-Ld	-	2450	680	1100	10	n/a	1
TFMOV20S121\$	4CA	75	AC	1	16	-40	80	Ld-Ld	-	350	75	120	5	n/a	1
TFMOV20S121L(1)	4CA	75	AC	1	16	-40	80	Ld-Ld	-	350	75	N/A	5	N/A	1
TFMOV20S122\$	4CA	690	AC	1	16	-40	80	Ld-Ld	-	2660	750	1200	10	n/a	1
TFMOV20S151\$	4CA	95	AC	1	16	-40	80	Ld-Ld	-	390	95	150	5	n/a	1
TFMOV20S151L(1)	4CA	95	AC	1	16	-40	80	Ld-Ld	-	390	95	N/A	5	N/A	1

TFMOV20S181\$	4CA	115	AC	1	16	-40	80	Ld-Ld	-	630	115	180	10	n/a	1
TFMOV20S181L(1)	4CA	115	AC	1	16	-40	80	Ld-Ld	-	630	115	N/A	10	N/A	1
TFMOV20S201\$	4CA	130	AC	1	16	-40	80	Ld-Ld	-	670	130	200	10	n/a	1
TFMOV20S201L(1)	4CA	130	AC	1	16	-40	80	Ld-Ld	-	670	130	N/A	10	N/A	1
TFMOV20S220\$	4CA	14	AC	1	16	-40	80	Ld-Ld	-	190	14	22	3	n/a	1
TFMOV20S221\$	4CA	140	AC	1	16	-40	80	Ld-Ld	-	710	140	220	10	n/a	1
TFMOV20S221L(1)	4CA	140	AC	1	16	-40	80	Ld-Ld	-	710	140	N/A	10	N/A	1
TFMOV20S241\$	4CA	150	AC	1	16	-40	80	Ld-Ld	-	780	150	240	10	n/a	1
TFMOV20S241L(1)	4CA	150	AC	1	16	-40	80	Ld-Ld	-	780	150	N/A	10	N/A	1
TFMOV20S270\$	4CA	17	AC	1	16	-40	80	Ld-Ld	-	200	17	27	3	n/a	1
TFMOV20S271\$	4CA	175	AC	1	16	-40	80	Ld-Ld	-	850	175	270	10	n/a	1
TFMOV20S271L(1)	4CA	175	AC	1	16	-40	80	Ld-Ld	-	850	175	N/A	10	N/A	1
TFMOV20S301\$	4CA	190	AC	1	16	-40	80	Ld-Ld	-	910	190	300	10	n/a	1
TFMOV20S301L(1)	4CA	190	AC	1	16	-40	80	Ld-Ld	-	910	190	N/A	10	N/A	1
TFMOV20S330\$	4CA	20	AC	1	16	-40	80	Ld-Ld	-	220	20	33	3	n/a	1
TFMOV20S331\$	4CA	210	AC	1	16	-40	80	Ld-Ld	-	970	210	330	10	n/a	1
TFMOV20S331L(1)	4CA	210	AC	1	16	-40	80	Ld-Ld	-	970	210	N/A	10	N/A	1
TFMOV20S361\$	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1030	230	360	10	n/a	1
TFMOV20S361L(1)	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1030	230	N/A	10	N/A	1
TFMOV20S390\$	4CA	25	AC	1	16	-40	80	Ld-Ld	-	230	25	39	3	n/a	1
TFMOV20S391\$	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1090	250	390	10	n/a	1
TFMOV20S391L(1)	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1090	250	N/A	10	N/A	1
TFMOV20S431\$	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1160	275	430	10	n/a	1

TFMOV20S431L(1)	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1160	275	N/A	10	N/A	1
TFMOV20S470\$	4CA	30	AC	1	16	-40	80	Ld-Ld	-	200	30	47	3	n/a	1
TFMOV20S470L(1)	4CA	30	AC	1	16	-40	80	Ld-Ld	-	200	30	N/A	3	N/A	1
TFMOV20S471\$	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1220	300	470	10	n/a	1
TFMOV20S471L(1)	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1220	300	N/A	10	N/A	1
TFMOV20S511\$	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1290	320	510	10	n/a	1
TFMOV20S511L(1)	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1290	320	N/A	10	N/A	1
TFMOV20S560\$	4CA	35	AC	1	16	-40	80	Ld-Ld	-	230	35	56	3	n/a	1
TFMOV20S560L(1)	4CA	35	AC	1	16	-40	80	Ld-Ld	-	230	35	N/A	3	N/A	1
TFMOV20S561\$	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1370	350	560	10	n/a	1
TFMOV20S561L(1)	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1370	350	N/A	10	N/A	1
TFMOV20S621\$	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1480	385	620	10	n/a	1
TFMOV20S621L(1)	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1480	385	N/A	10	N/A	1
TFMOV20S680\$	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	68	3	n/a	1
TFMOV20S680L(1)	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	N/A	3	N/A	1
TFMOV20S681\$	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1590	420	680	10	n/a	1
TFMOV20S681L(1)	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1590	420	N/A	10	N/A	1
TFMOV20S751\$	4CA	460	AC	1	16	-40	80	Ld-Ld	-	1730	460	750	10	n/a	1
TFMOV20S781\$	4CA	485	AC	1	16	-40	80	Ld-Ld	-	1790	485	780	10	n/a	1
TFMOV20S820\$	4CA	50	AC	1	16	-40	80	Ld-Ld	-	270	50	82	5	n/a	1
TFMOV20S820L(1)	4CA	50	AC	1	16	-40	80	Ld-Ld	-	270	50	N/A	5	N/A	1
TFMOV20S821\$	4CA	510	AC	1	16	-40	80	Ld-Ld	-	1870	510	820	10	n/a	1
TFMOV20S911\$	4CA	550	AC	1	16	-40	80	Ld-Ld	-	2060	550	910	10	n/a	1

TFMOV20S951\$	4CA	575	AC	1	16	-40	80	Ld-Ld	-	2140	575	950	10	n/a	1
TFMOV21R2P101&	4CA	60	AC	1	16	-40	80	Ld-Ld	-	590	60	200	5	n/a	1
TFMOV21R2P101-P	4CA	60	AC	1	n/a	-40	85	Ld-Ld	-	270	60	n/a	3	n/a	1
TFMOV21R2P121&	4CA	75	AC	1	16	-40	80	Ld-Ld	-	630	75	240	5	n/a	1
TFMOV21R2P121-P	4CA	75	AC	1	n/a	-40	85	Ld-Ld	-	320	75	n/a	3	n/a	1
TFMOV21R2P151&	4CA	95	AC	1	16	-40	80	Ld-Ld	-	680	95	300	5	n/a	1
TFMOV21R2P151-P	4CA	95	AC	1	n/a	-40	85	Ld-Ld	-	370	95	n/a	3	n/a	1
TFMOV21R2P181&	4CA	115	AC	1	16	-40	80	Ld-Ld	-	930	115	360	10	n/a	1
TFMOV21R2P181-P	4CA	115	AC	1	n/a	-40	85	Ld-Ld	-	420	115	n/a	3	n/a	1
TFMOV21R2P201&	4CA	130	AC	1	16	-40	80	Ld-Ld	-	1060	130	400	10	n/a	1
TFMOV21R2P201-P	4CA	130	AC	1	n/a	-40	85	Ld-Ld	-	460	130	n/a	3	n/a	1
TFMOV21R2P221&	4CA	140	AC	1	16	-40	80	Ld-Ld	-	1140	140	440	5	n/a	1
TFMOV21R2P221-P	4CA	140	AC	1	n/a	-40	85	Ld-Ld	-	480	140	n/a	3	n/a	1
TFMOV21R2P241&	4CA	150	AC	1	16	-40	80	Ld-Ld	-	1230	150	480	10	n/a	1
TFMOV21R2P241-P	4CA	150	AC	1	n/a	-40	85	Ld-Ld	-	510	150	n/a	3	n/a	1
TFMOV21R2P271&	4CA	175	AC	1	16	-40	80	Ld-Ld	-	1440	175	540	10	n/a	1
TFMOV21R2P271-P	4CA	175	AC	1	n/a	-40	85	Ld-Ld	-	570	175	n/a	3	n/a	1
TFMOV21R2P301&	4CA	190	AC	1	16	-40	80	Ld-Ld	-	1510	190	600	10	n/a	1
TFMOV21R2P331&	4CA	210	AC	1	16	-40	80	Ld-Ld	-	1600	210	660	10	n/a	1
TFMOV21R2P361&	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1690	230	720	10	n/a	1
TFMOV21R2P391&	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1870	250	780	10	n/a	1
TFMOV21R2P431&	4CA	275	AC	1	16	-40	80	Ld-Ld	-	2090	275	860	10	n/a	1
TFMOV21R2P470&	4CA	30	AC	1	16	-40	80	Ld-Ld	-	390	30	94	3	n/a	1

TFMOV21R2P470-P	4CA	30	AC	1	n/a	-40	85	Ld-Ld	-	230	30	n/a	3	n/a	1
TFMOV21R2P471&	4CA	300	AC	1	16	-40	80	Ld-Ld	-	2310	300	940	10	n/a	1
TFMOV21R2P511&	4CA	320	AC	1	16	-40	80	Ld-Ld	-	2490	320	1020	10	n/a	1
TFMOV21R2P560&	4CA	40	AC	1	16	-40	80	Ld-Ld	-	430	35	112	3	n/a	1
TFMOV21R2P560-P	4CA	35	AC	1	n/a	-40	85	Ld-Ld	-	240	35	n/a	3	n/a	1
TFMOV21R2P680&	4CA	40	AC	1	16	-40	80	Ld-Ld	-	460	40	136	3	n/a	1
TFMOV21R2P680-P	4CA	40	AC	1	n/a	-40	85	Ld-Ld	-	250	40	n/a	3	n/a	1
TFMOV21R2P820&	4CA	50	AC	1	16	-40	80	Ld-Ld	-	560	50	164	5	n/a	1
TFMOV21R2P820-P	4CA	50	AC	1	n/a	-40	85	Ld-Ld	-	280	50	n/a	3	n/a	1
TFMOV21R3P101@	4CA	60	AC	1	15	-40	80	L-N	-	400	60	N/A	5	N/A	1
TFMOV21R3P121@	4CA	75	AC	1	15	-40	80	L-N	-	430	75	N/A	5	N/A	1
TFMOV21R3P151@	4CA	95	AC	1	15	-40	80	L-N	-	470	95	N/A	5	N/A	1
TFMOV21R3P181@	4CA	115	AC	1	15	-40	80	L-N	-	510	115	N/A	5	N/A	1
TFMOV21R3P221@	4CA	140	AC	1	15	-40	80	L-N	-	610	140	N/A	5	N/A	1
TFMOV21R3P241@	4CA	150	AC	1	15	-40	80	L-N	-	650	150	N/A	5	N/A	1
TFMOV21R3P271@	4CA	175	AC	1	15	-40	80	L-N	-	750	175	N/A	5	N/A	1
TFMOV21R3P301@	4CA	190	AC	1	15	-40	80	L-N	-	810	190	N/A	5	N/A	1
TFMOV21R3P331@	4CA	210	AC	1	15	-40	80	L-N	-	890	210	N/A	5	N/A	1
TFMOV21R3P361@	4CA	230	AC	1	15	-40	80	L-N	-	970	230	N/A	5	N/A	1
TFMOV21R3P391@	4CA	250	AC	1	15	-40	80	L-N	-	1040	250	N/A	5	N/A	1
TFMOV21R3P431@	4CA	275	AC	1	15	-40	80	L-N	-	1120	275	N/A	5	N/A	1
TFMOV21R3P470@	4CA	30	AC	1	15	-40	80	L-N	-	230	30	N/A	3	N/A	1
TFMOV21R3P471@	4CA	300	AC	1	15	-40	80	L-N	-	1200	300	N/A	5	N/A	1
TFMOV21R3P511@	4CA	320	AC	1	15	-40	80	L-N	-	1270	320	N/A	5	N/A	1
TFMOV21R3P560@	4CA	35	AC	1	15	-40	80	L-N	-	270	35	N/A	3	N/A	1
TFMOV21R3P680@	4CA	40	AC	1	15	-40	80	L-N	-	310	40	N/A	3	N/A	1
TFMOV21R3P820@	4CA	50	AC	1	15	-40	80	L-N	-	380	50	N/A	5	N/A	1
TFMOV25D101\$	4CA	60	AC	1	16	-40	80	Ld-Ld	-	320	60	100	5	n/a	1
TFMOV25D102\$	4CA	625	AC	1	16	-40	80	Ld-Ld	-	2390	625	1000	10	n/a	1

TFMOV25D112\$	4CA	680	AC	1	16	-40	80	Ld-Ld	-	2630	680	1100	10	n/a	1
TFMOV25D121\$	4CA	75	AC	1	16	-40	80	Ld-Ld	-	340	75	120	5	n/a	1
TFMOV25D122\$	4CA	690	AC	1	16	-40	80	Ld-Ld	-	2860	750	1200	10	n/a	1
TFMOV25D151\$	4CA	95	AC	1	16	-40	80	Ld-Ld	-	370	95	150	5	n/a	1
TFMOV25D181\$	4CA	115	AC	1	16	-40	80	Ld-Ld	-	560	115	180	10	n/a	1
TFMOV25D201\$	4CA	130	AC	1	16	-40	80	Ld-Ld	-	600	130	200	10	n/a	1
TFMOV25D220\$	4CA	14	AC	1	16	-40	80	Ld-Ld	-	110	14	22	1.5	n/a	1
TFMOV25D221\$	4CA	140	AC	1	16	-40	80	Ld-Ld	-	650	140	220	10	n/a	1
TFMOV25D241\$	4CA	150	AC	1	16	-40	80	Ld-Ld	-	690	150	240	10	n/a	1
TFMOV25D270\$	4CA	17	AC	1	16	-40	80	Ld-Ld	-	130	17	27	1.5	n/a	1
TFMOV25D271\$	4CA	175	AC	1	16	-40	80	Ld-Ld	-	760	175	270	10	n/a	1
TFMOV25D301\$	4CA	190	AC	1	16	-40	80	Ld-Ld	-	820	190	300	10	n/a	1
TFMOV25D330\$	4CA	20	AC	1	16	-40	80	Ld-Ld	-	150	20	33	1.5	n/a	1
TFMOV25D331\$	4CA	210	AC	1	16	-40	80	Ld-Ld	-	880	210	330	10	n/a	1
TFMOV25D361\$	4CA	230	AC	1	16	-40	80	Ld-Ld	-	940	230	360	10	n/a	1
TFMOV25D390\$	4CA	25	AC	1	16	-40	80	Ld-Ld	-	170	25	39	1.5	n/a	1
TFMOV25D391\$	4CA	250	AC	1	16	-40	80	Ld-Ld	-	970	250	390	10	n/a	1
TFMOV25D431\$	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1080	275	430	10	n/a	1
TFMOV25D470\$	4CA	30	AC	1	16	-40	80	Ld-Ld	-	190	30	47	3	n/a	1
TFMOV25D471\$	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1170	300	470	10	n/a	1
TFMOV25D511\$	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1260	320	510	10	n/a	1
TFMOV25D560\$	4CA	35	AC	1	16	-40	80	Ld-Ld	-	220	35	56	3	n/a	1
TFMOV25D561\$	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1380	350	560	10	n/a	1

TFMOV25D621\$	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1530	385	620	10	n/a	1
TFMOV25D680\$	4CA	40	AC	1	16	-40	80	Ld-Ld	-	260	40	68	3	n/a	1
TFMOV25D681\$	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1670	420	680	10	n/a	1
TFMOV25D751\$	4CA	460	AC	1	16	-40	80	Ld-Ld	-	1790	460	750	10	n/a	1
TFMOV25D781\$	4CA	485	AC	1	16	-40	80	Ld-Ld	-	1860	485	780	10	n/a	1
TFMOV25D820\$	4CA	50	AC	1	16	-40	80	Ld-Ld	-	300	50	82	5	n/a	1
TFMOV25D821\$	4CA	510	AC	1	16	-40	80	Ld-Ld	-	1960	510	820	10	n/a	1
TFMOV25D911\$	4CA	550	AC	1	16	-40	80	Ld-Ld	-	2170	550	910	10	n/a	1
TFMOV25D951\$	4CA	575	AC	1	16	-40	80	Ld-Ld	-	2270	575	950	10	n/a	1
TFMOV25S101\$	4CA	60	AC	1	16	-40	80	Ld-Ld	-	310	60	100	5	n/a	1
TFMOV25S101L(1)	4CA	60	AC	1	16	-40	80	Ld-Ld	-	310	60	100	5	N/A	1
TFMOV25S102\$	4CA	625	AC	1	16	-40	80	Ld-Ld	-	2240	625	1000	10	n/a	1
TFMOV25S112\$	4CA	680	AC	1	16	-40	80	Ld-Ld	-	2450	680	1100	10	n/a	1
TFMOV25S121\$	4CA	75	AC	1	16	-40	80	Ld-Ld	-	350	75	120	5	n/a	1
TFMOV25S121L(1)	4CA	75	AC	1	16	-40	80	Ld-Ld	-	350	75	120	5	N/A	1
TFMOV25S122\$	4CA	690	AC	1	16	-40	80	Ld-Ld	-	2660	750	1200	10	n/a	1
TFMOV25S151\$	4CA	95	AC	1	16	-40	80	Ld-Ld	-	390	95	150	5	n/a	1
TFMOV25S151L(1)	4CA	95	AC	1	16	-40	80	Ld-Ld	-	390	95	150	5	N/A	1
TFMOV25S181\$	4CA	115	AC	1	16	-40	80	Ld-Ld	-	630	115	180	10	n/a	1
TFMOV25S181L(1)	4CA	115	AC	1	16	-40	80	Ld-Ld	-	630	115	180	10	N/A	1
TFMOV25S201\$	4CA	130	AC	1	16	-40	80	Ld-Ld	-	670	130	200	10	n/a	1
TFMOV25S201L(1)	4CA	130	AC	1	16	-40	80	Ld-Ld	-	670	130	200	10	N/A	1
TFMOV25S220\$	4CA	14	AC	1	16	-40	80	Ld-Ld	-	190	14	22	10	n/a	1

TFMOV25S221\$	4CA	140	AC	1	16	-40	80	Ld-Ld	-	710	140	220	10	n/a	1
TFMOV25S221L(1)	4CA	140	AC	1	16	-40	80	Ld-Ld	-	710	140	220	10	N/A	1
TFMOV25S241\$	4CA	150	AC	1	16	-40	80	Ld-Ld	-	780	150	240	10	n/a	1
TFMOV25S241L(1)	4CA	150	AC	1	16	-40	80	Ld-Ld	-	780	150	240	10	N/A	1
TFMOV25S270\$	4CA	17	AC	1	16	-40	80	Ld-Ld	-	200	17	27	3	n/a	1
TFMOV25S271\$	4CA	175	AC	1	16	-40	80	Ld-Ld	-	850	175	270	10	n/a	1
TFMOV25S271L(1)	4CA	175	AC	1	16	-40	80	Ld-Ld	-	850	175	270	10	N/A	1
TFMOV25S301\$	4CA	190	AC	1	16	-40	80	Ld-Ld	-	910	190	300	10	n/a	1
TFMOV25S301L(1)	4CA	190	AC	1	16	-40	80	Ld-Ld	-	910	190	300	10	N/A	1
TFMOV25S330\$	4CA	20	AC	1	16	-40	80	Ld-Ld	-	220	20	33	3	n/a	1
TFMOV25S331\$	4CA	210	AC	1	16	-40	80	Ld-Ld	-	970	210	330	10	n/a	1
TFMOV25S331L(1)	4CA	210	AC	1	16	-40	80	Ld-Ld	-	970	210	330	10	N/A	1
TFMOV25S361\$	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1030	230	360	10	n/a	1
TFMOV25S361L(1)	4CA	230	AC	1	16	-40	80	Ld-Ld	-	1030	230	360	10	N/A	1
TFMOV25S390\$	4CA	25	AC	1	16	-40	80	Ld-Ld	-	230	25	39	3	n/a	1
TFMOV25S391\$	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1090	250	390	10	n/a	1
TFMOV25S391L(1)	4CA	250	AC	1	16	-40	80	Ld-Ld	-	1090	250	390	10	N/A	1
TFMOV25S431\$	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1160	275	430	10	n/a	1
TFMOV25S431L(1)	4CA	275	AC	1	16	-40	80	Ld-Ld	-	1160	275	420	10	N/A	1
TFMOV25S470\$	4CA	30	AC	1	16	-40	80	Ld-Ld	-	200	30	47	3	n/a	1
TFMOV25S470L(1)	4CA	30	AC	1	16	-40	80	Ld-Ld	-	200	30	47	3	N/A	1
TFMOV25S471\$	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1220	300	470	10	n/a	1
TFMOV25S471L(1)	4CA	300	AC	1	16	-40	80	Ld-Ld	-	1220	300	470	10	N/A	1

TFMOV25S511\$	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1290	320	510	10	n/a	1
TFMOV25S511L(1)	4CA	320	AC	1	16	-40	80	Ld-Ld	-	1290	320	510	10	N/A	1
TFMOV25S560\$	4CA	35	AC	1	16	-40	80	Ld-Ld	-	230	35	56	3	n/a	1
TFMOV25S560L(1)	4CA	35	AC	1	16	-40	80	Ld-Ld	-	230	35	56	3	N/A	1
TFMOV25S561\$	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1370	350	560	10	n/a	1
TFMOV25S561L(1)	4CA	350	AC	1	16	-40	80	Ld-Ld	-	1370	350	560	10	N/A	1
TFMOV25S621\$	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1480	385	620	10	n/a	1
TFMOV25S621L(1)	4CA	385	AC	1	16	-40	80	Ld-Ld	-	1480	385	620	10	N/A	1
TFMOV25S680\$	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	68	3	n/a	1
TFMOV25S680L(1)	4CA	40	AC	1	16	-40	80	Ld-Ld	-	270	40	68	3	N/A	1
TFMOV25S681\$	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1590	420	680	10	n/a	1
TFMOV25S681L(1)	4CA	420	AC	1	16	-40	80	Ld-Ld	-	1590	420	680	10	N/A	1
TFMOV25S751\$	4CA	460	AC	1	16	-40	80	Ld-Ld	-	1730	460	750	10	n/a	1
TFMOV25S781\$	4CA	485	AC	1	16	-40	80	Ld-Ld	-	1790	485	780	10	n/a	1
TFMOV25S820\$	4CA	50	AC	1	16	-40	80	Ld-Ld	-	270	50	82	5	n/a	1
TFMOV25S820L(1)	4CA	50	AC	1	16	-40	80	Ld-Ld	-	270	50	82	5	N/A	1
TFMOV25S821\$	4CA	510	AC	1	16	-40	80	Ld-Ld	-	1870	510	820	10	n/a	1
TFMOV25S911\$	4CA	550	AC	1	16	-40	80	Ld-Ld	-	2060	550	910	10	n/a	1
TFMOV25S951\$	4CA	575	AC	1	16	-40	80	Ld-Ld	-	2140	575	950	10	n/a	1
TFMOV34S101\$	4CA	60	AC	1	20	-40	80	Ld-Ld	-	470	60	100	10	n/a	1
TFMOV34S101L(1)	4CA	60	AC	1	20	-40	80	Ld-Ld	-	470	60	100	10	N/A	1
TFMOV34S102\$	4CA	625	AC	1	20	-40	80	Ld-Ld	-	2440	625	1000	20	n/a	1
TFMOV34S112\$	4CA	680	AC	1	20	-40	80	Ld-Ld	-	2700	680	1100	20	n/a	1

TFMOV34S121\$	4CA	75	AC	1	20	-40	80	Ld-Ld	-	490	75	120	10	n/a	1
TFMOV34S121L(1)	4CA	75	AC	1	20	-40	80	Ld-Ld	-	490	75	120	10	N/A	1
TFMOV34S122\$	4CA	690	AC	1	20	-40	80	Ld-Ld	-	2950	750	1200	20	n/a	1
TFMOV34S151\$	4CA	95	AC	1	20	-40	80	Ld-Ld	-	510	95	150	10	n/a	1
TFMOV34S151L(1)	4CA	95	AC	1	20	-40	80	Ld-Ld	-	510	95	150	10	N/A	1
TFMOV34S181\$	4CA	115	AC	1	20	-40	80	Ld-Ld	-	680	115	180	20	n/a	1
TFMOV34S181L(1)	4CA	115	AC	1	20	-40	80	Ld-Ld	-	680	115	180	20	N/A	1
TFMOV34S201\$	4CA	130	AC	1	20	-40	80	Ld-Ld	-	720	130	200	20	n/a	1
TFMOV34S201L(1)	4CA	130	AC	1	20	-40	80	Ld-Ld	-	720	130	200	20	N/A	1
TFMOV34S221\$	4CA	140	AC	1	20	-40	80	Ld-Ld	-	760	140	220	20	n/a	1
TFMOV34S221L(1)	4CA	140	AC	1	20	-40	80	Ld-Ld	-	760	140	220	20	N/A	1
TFMOV34S241\$	4CA	150	AC	1	20	-40	80	Ld-Ld	-	800	150	240	20	n/a	1
TFMOV34S241L(1)	4CA	150	AC	1	20	-40	80	Ld-Ld	-	800	150	240	20	N/A	1
TFMOV34S271\$	4CA	175	AC	1	20	-40	80	Ld-Ld	-	860	175	270	20	n/a	1
TFMOV34S271L(1)	4CA	175	AC	1	20	-40	80	Ld-Ld	-	860	175	270	20	N/A	1
TFMOV34S301\$	4CA	190	AC	1	20	-40	80	Ld-Ld	-	920	190	300	20	n/a	1
TFMOV34S301L(1)	4CA	190	AC	1	20	-40	80	Ld-Ld	-	920	190	300	20	N/A	1
TFMOV34S331\$	4CA	210	AC	1	20	-40	80	Ld-Ld	-	980	210	330	20	n/a	1
TFMOV34S331L(1)	4CA	210	AC	1	20	-40	80	Ld-Ld	-	980	210	330	20	N/A	1
TFMOV34S361\$	4CA	230	AC	1	20	-40	80	Ld-Ld	-	1040	230	360	20	n/a	1
TFMOV34S361L(1)	4CA	230	AC	1	20	-40	80	Ld-Ld	-	1040	230	360	20	N/A	1
TFMOV34S391\$	4CA	250	AC	1	20	-40	80	Ld-Ld	-	1070	250	390	20	n/a	1
TFMOV34S391L(1)	4CA	250	AC	1	20	-40	80	Ld-Ld	-	1070	250	390	20	N/A	1

TFMOV34S431\$	4CA	275	AC	1	20	-40	80	Ld-Ld	-	1150	275	430	20	n/a	1
TFMOV34S431L(1)	4CA	275	AC	1	20	-40	80	Ld-Ld	-	1150	275	420	20	N/A	1
TFMOV34S470\$	4CA	30	AC	1	20	-40	80	Ld-Ld	-	320	30	47	10	n/a	1
TFMOV34S470L(1)	4CA	30	AC	1	20	-40	80	Ld-Ld	-	320	30	47	10	N/A	1
TFMOV34S471\$	4CA	300	AC	1	20	-40	80	Ld-Ld	-	1230	300	470	20	n/a	1
TFMOV34S471L(1)	4CA	300	AC	1	20	-40	80	Ld-Ld	-	1230	300	470	20	N/A	1
TFMOV34S511\$	4CA	320	AC	1	20	-40	80	Ld-Ld	-	1310	320	510	20	n/a	1
TFMOV34S511L(1)	4CA	320	AC	1	20	-40	80	Ld-Ld	-	1310	320	510	20	N/A	1
TFMOV34S560\$	4CA	35	AC	1	20	-40	80	Ld-Ld	-	350	35	56	10	n/a	1
TFMOV34S560L(1)	4CA	35	AC	1	20	-40	80	Ld-Ld	-	350	35	56	10	N/A	1
TFMOV34S561\$	4CA	350	AC	1	20	-40	80	Ld-Ld	-	1410	350	560	20	n/a	1
TFMOV34S561L(1)	4CA	350	AC	1	20	-40	80	Ld-Ld	-	1410	350	560	20	N/A	1
TFMOV34S621\$	4CA	385	AC	1	20	-40	80	Ld-Ld	-	1530	385	620	20	n/a	1
TFMOV34S621L(1)	4CA	385	AC	1	20	-40	80	Ld-Ld	-	1530	385	620	20	N/A	1
TFMOV34S680\$	4CA	40	AC	1	20	-40	80	Ld-Ld	-	390	40	68	10	n/a	1
TFMOV34S680L(1)	4CA	40	AC	1	20	-40	80	Ld-Ld	-	390	40	68	10	N/A	1
TFMOV34S681\$	4CA	420	AC	1	20	-40	80	Ld-Ld	-	1670	420	680	20	n/a	1
TFMOV34S681L(1)	4CA	420	AC	1	20	-40	80	Ld-Ld	-	1670	420	680	20	N/A	1
TFMOV34S751\$	4CA	460	AC	1	20	-40	80	Ld-Ld	-	1840	460	750	20	n/a	1
TFMOV34S781\$	4CA	485	AC	1	20	-40	80	Ld-Ld	-	1910	485	780	20	n/a	1
TFMOV34S820\$	4CA	50	AC	1	20	-40	80	Ld-Ld	-	450	50	82	10	n/a	1
TFMOV34S820L(1)	4CA	50	AC	1	20	-40	80	Ld-Ld	-	450	50	82	10	N/A	1
TFMOV34S821\$	4CA	510	AC	1	20	-40	80	Ld-Ld	-	2010	510	820	20	n/a	1

TFMOV34S911\$	4CA	550	AC	1	20	-40	80	Ld-Ld	-	2210	550	910	20	n/a	1
TFMOV34S951\$	4CA	575	AC	1	20	-40	80	Ld-Ld	-	2310	575	950	20	n/a	1
TFV10S101(4)	4CA	60	AC	1	N/A	-40	105	Ld-Ld	-	320	60	N/A	3	N/A	1, 5a
TFV10S121(4)	4CA	75	AC	1	N/A	-40	105	Ld-Ld	-	360	75	N/A	3	N/A	1, 5a
TFV10S151(4)	4CA	95	AC	1	N/A	-40	105	Ld-Ld	-	410	95	N/A	3	N/A	1, 5a
TFV10S181(4)	4CA	115	AC	1	N/A	-40	105	Ld-Ld	-	460	115	N/A	3	N/A	1, 5a
TFV10S201(4)	4CA	130	AC	1	N/A	-40	105	Ld-Ld	-	520	130	N/A	3	N/A	1, 5a
TFV10S221(4)	4CA	140	AC	1	N/A	-40	105	Ld-Ld	-	560	140	N/A	3	N/A	1, 5a
TFV10S241(4)	4CA	150	AC	1	N/A	-40	105	Ld-Ld	-	610	150	N/A	3	N/A	1, 5a
TFV10S301(4)	4CA	190	AC	1	N/A	-40	105	Ld-Ld	-	770	190	N/A	3	N/A	1, 5a
TFV10S331(4)	4CA	210	AC	1	N/A	-40	105	Ld-Ld	-	860	210	N/A	3	N/A	1, 5a
TFV10S361(4)	4CA	230	AC	1	N/A	-40	105	Ld-Ld	-	940	230	N/A	3	N/A	1, 5a
TFV10S391(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1020	250	N/A	3	N/A	1, 5a
TFV10S431(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1110	275	N/A	3	N/A	1, 5a
TFV10S511(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1280	320	N/A	3	N/A	1, 5a
TFV10S561(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1390	350	N/A	3	N/A	1, 5a
TFV10S621(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1510	385	N/A	3	N/A	1, 5a
TFV10S681(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1640	420	N/A	3	N/A	1, 5a
TFV10S820(4)	4CA	50	AC	1	N/A	-40	105	Ld-Ld	-	290	50	N/A	3	N/A	1, 5a
TFV10S821(4)	4CA	250	AC	1	N/A	-40	105	Ld-Ld	-	1950	510	N/A	3	N/A	1, 5a
TFV15S101(4)	4CA	60	AC	1	N/A	-40	105	Ld-Ld	-	320	60	N/A	5	N/A	1, 5a
TFV15S121(4)	4CA	75	AC	1	N/A	-40	105	Ld-Ld	-	370	75	N/A	5	N/A	1, 5a
TFV15S151(4)	4CA	95	AC	1	N/A	-40	105	Ld-Ld	-	430	95	N/A	5	N/A	1, 5a

TFMOV15K301\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	890	190	N/A	10	N/A	1
TFMOV15K331\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	940	210	N/A	10	N/A	1
TFMOV15K361\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	990	230	N/A	10	N/A	1
TFMOV15K391\$	4CA	220	AC	1	N/A	-40	85	Ld-Ld	-	1050	250	N/A	10	N/A	1
TFMOV15K431\$	4CA	230	AC	1	N/A	-40	85	Ld-Ld	-	1110	275	N/A	10	N/A	1
TFMOV15K471\$	4CA	240	AC	1	N/A	-40	85	Ld-Ld	-	1180	300	N/A	10	N/A	1
TFMOV15K511\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1290	320	N/A	10	N/A	1
TFMOV15K561\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1460	350	N/A	10	N/A	1
TFMOV15K621\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1560	385	N/A	10	N/A	1
TFMOV15K681\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1660	420	N/A	10	N/A	1
TFMOV15K751\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1780	460	N/A	10	N/A	1
TFMOV15K820\$	4CA	24	AC	1	N/A	-40	85	Ld-Ld	-	300	50	N/A	10	N/A	1
TFMOV15K821\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1880	510	N/A	10	N/A	1
TFMOV15K911\$	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	1950	550	N/A	10	N/A	1
TFMOV20K101\$	4CA	48	AC	1	N/A	-40	85	Ld-Ld	-	440	60	N/A	10	N/A	1
TFMOV20K102\$	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2430	625	N/A	20	N/A	1
TFMOV20K112\$	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2640	680	N/A	20	N/A	1
TFMOV20K121\$	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	470	75	N/A	10	N/A	1
TFMOV20K122\$	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2910	750	N/A	20	N/A	1
TFMOV20K151\$	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	520	95	N/A	10	N/A	1
TFMOV20K181\$	4CA	108	AC	1	N/A	-40	85	Ld-Ld	-	560	115	N/A	10	N/A	1
TFMOV20K201\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	700	130	N/A	20	N/A	1
TFMOV20K221\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	840	140	N/A	20	N/A	1

TFMOV20K241\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	970	150	N/A	20	N/A	1
TFMOV20K271\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	970	150	-	20	N/A	1
TFMOV20K301\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1080	190	N/A	20	N/A	1
TFMOV20K331\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1140	210	N/A	20	N/A	1
TFMOV20K361\$	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1190	230	N/A	20	N/A	1
TFMOV20K391\$	4CA	220	AC	1	N/A	-40	85	Ld-Ld	-	1250	250	N/A	20	N/A	1
TFMOV20K431\$	4CA	230	AC	1	N/A	-40	85	Ld-Ld	-	1320	275	N/A	20	N/A	1
TFMOV20K471\$	4CA	240	AC	1	N/A	-40	85	Ld-Ld	-	1390	300	-	20	N/A	1
TFMOV20K511\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1440	320	N/A	20	N/A	1
TFMOV20K561\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1510	350	-	20	N/A	1
TFMOV20K621\$	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1590	385	N/A	20	N/A	1
TFMOV20K681\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1670	420	N/A	20	N/A	1
TFMOV20K751\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1760	460	-	20	N/A	1
TFMOV20K820\$	4CA	24	AC	1	N/A	-40	85	Ld-Ld	-	420	50	N/A	10	N/A	1
TFMOV20K821\$	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1970	510	N/A	20	N/A	1
TFMOV20K911\$	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2140	550	-	20	N/A	1
TFMOV40K101(A)	4CA	48	AC	1	N/A	-40	85	Ld-Ld	-	530	60	N/A	20	N/A	1
TFMOV40K102(A)	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2500	625	N/A	20	N/A	1
TFMOV40K112(A)	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2680	680	N/A	20	N/A	1
TFMOV40K121(A)	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	560	75	N/A	20	N/A	1
TFMOV40K122(A)	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2910	750	N/A	20	N/A	1
TFMOV40K151(A)	4CA	60	AC	1	N/A	-40	85	Ld-Ld	-	610	95	N/A	20	N/A	1
TFMOV40K181(A)	4CA	108	AC	1	N/A	-40	85	Ld-Ld	-	650	115	N/A	20	N/A	1

TFMOV40K201(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	810	130	N/A	20	N/A	1
TFMOV40K221(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	810	140	N/A	20	N/A	1
TFMOV40K241(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	980	150	N/A	20	N/A	1
TFMOV40K271(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	980	150	N/A	20	N/A	1
TFMOV40K301(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1090	190	N/A	20	N/A	1
TFMOV40K331(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1140	210	N/A	20	N/A	1
TFMOV40K361(A)	4CA	120	AC	1	N/A	-40	85	Ld-Ld	-	1200	230	N/A	20	N/A	1
TFMOV40K391(A)	4CA	220	AC	1	N/A	-40	85	Ld-Ld	-	1250	250	N/A	20	N/A	1
TFMOV40K431(A)	4CA	230	AC	1	N/A	-40	85	Ld-Ld	-	1320	275	N/A	20	N/A	1
TFMOV40K471(A)	4CA	240	AC	1	N/A	-40	85	Ld-Ld	-	1390	300	N/A	20	N/A	1
TFMOV40K511(A)	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1490	320	N/A	20	N/A	1
TFMOV40K561(A)	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1630	350	N/A	20	N/A	1
TFMOV40K621(A)	4CA	277	AC	1	N/A	-40	85	Ld-Ld	-	1760	385	N/A	20	N/A	1
TFMOV40K681(A)	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	1880	420	N/A	20	N/A	1
TFMOV40K751(A)	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	2030	460	N/A	20	N/A	1
TFMOV40K820(A)	4CA	24	AC	1	N/A	-40	85	Ld-Ld	-	510	50	N/A	20	N/A	1
TFMOV40K821(A)	4CA	347	AC	1	N/A	-40	85	Ld-Ld	-	2160	510	N/A	20	N/A	1
TFMOV40K911(A)	4CA	480	AC	1	N/A	-40	85	Ld-Ld	-	2260	550	N/A	20	N/A	1
TFMOV10K150\$	4-1	120	AC	1	N/A	-40	85	Ld-Ld	700	-	150	-	10	200	1
TFMOV10K300\$	4-1	220	AC	1	N/A	-40	85	Ld-Ld	1000	-	300	-	10	200	1
TFMOV10K350\$	4-1	277	AC	1	N/A	-40	85	Ld-Ld	1200	-	350	-	10	200	1
TFMOV10K460\$	4-1	347	AC	1	N/A	-40	85	Ld-Ld	1500	-	460	-	10	150	1
TFMOV10K550\$	4-1	480	AC	1	N/A	-40	85	Ld-Ld	1800	-	550	-	10	150	1

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

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