

LITTELFUSE Metal Oxide Varistors

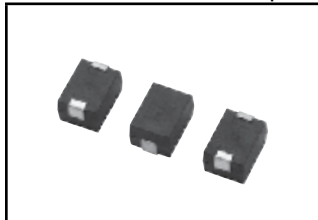


RoHS Compliant This product is RoHS compliant.

SM7 SERIES VARISTORS

Features:

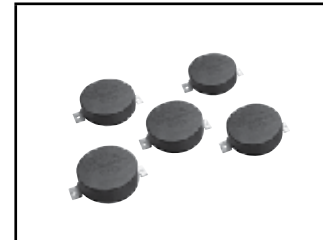
- Electrical equivalent to leaded types LA/ZA series
- AC Voltage rating 275V to 510VAC rms
- No De-Rating up to 85°C ambient
- Good solderability



SM20 SERIES VARISTORS

Features:

- DC Voltage Rating 26VDC
- AC Voltage rating 175 - 320AC
- No De-Rating up to 85°C ambient
- Low voltage devices specified for automotive load dump energy.



For quantities of 250 and up, call for quote.

MOUSER STOCK NO.		Continuous	Maximum Clamping Voltage	Typical Capacitance	Price Each			
Mfr.	Mfr. Part No.	V _{RMS} (V)	8/20 μS (V)	f = 1MHz (pF)	1	10	100	250
576	V275SM7	275	710	80	1.23	1.16	1.10	1.02
576	V300SM7	300	775	70	1.23	1.16	1.10	1.02
576	V320SM7	320	850	65	1.23	1.16	1.10	1.02
576	V385SM7	385	1025	60	1.36	1.29	1.22	1.14
576	V420SM7	420	1120	55	1.36	1.29	1.22	1.14
576	V460SM7	460	1190	55	1.52	1.43	1.35	1.26
576	V480SM7	480	1240	50	1.52	1.43	1.35	1.26
576	V510SM7	510	1200	45	1.71	1.61	1.52	1.42

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MOUSER STOCK NO.		Continuous	Maximum Clamping Voltage	Typical Capacitance	Price Each			
Mfr.	Mfr. Part No.	V _{RMS} (V)	8/20 μS (V)	f = 1MHz (pF)	1	10	100	250
576	V26SM20	20	63	12000	4.09	3.91	3.72	3.53
576	V175SM20	175	455	1400	2.20	2.07	1.96	1.83
576	V230SM20	230	595	1100	2.20	2.07	1.96	1.83
576	V250SM20	250	650	1000	2.20	2.07	1.96	1.83
576	V275SM20	275	710	900	2.20	2.07	1.96	1.83
576	V300SM20	300	775	800	3.00	2.83	2.67	2.50
576	V320SM20	320	810	750	3.00	2.83	2.67	2.50

LITTELFUSE UltraMOV™ SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C)					Specifications (25°C)					Price Each			
Mfr.	Mfr. Part No.			Continuous		Transient			Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8/20 μs		Typical Capacitance f = 1MHz	1	10	100	250
				RMS Volts	DC Volts	Energy 2ms	Peak Current 8/20 μs	V _{NOM} Min	V _{NOM} Max	V _C	IPK						
				V _M (AC)	V _M (DC)	W _{TM}	I _{TM} 1 x Pulse	I _{TM} 2 x Pulse	(V)	(V)	(V)	(A)					
576	V07E130P	07	7V130	130	170	12.5	1750	1200	184	226	340	10	180	.17	.16	.15	.145
576	V14E130P	14	14V130	130	170	50	6000	4500	184	226	340	50	1000	.30	.29	.27	.26
576	V20E130P	20	20V130	130	170	100	10000	6500	184	226	340	100	1900	.48	.44	.42	.40
576	V07E150P	07	7V150	150	200	15	1750	1200	216	264	395	10	150	.17	.16	.15	.145
576	V14E150P	14	14V150	150	200	60	6000	4500	216	264	395	50	800	.31	.28	.27	.25
576	V20E150P	20	20V150	150	200	120	10000	6500	216	264	395	100	1600	.48	.44	.42	.40
576	V07E250P	07	7V250	250	320	25	1750	1200	351	429	650	10	90	.17	.16	.15	.145
576	V14E250P	14	14V250	250	320	100	6000	4500	351	429	650	50	500	.31	.28	.27	.25
576	V20E250P	20	20V250	250	320	170	10000	6500	351	429	650	100	1000	.48	.44	.42	.40
576	V10E300P	10	10V300	300	385	60	3500	2500	423	517	775	25	180	.22	.21	.20	.189
576	V14E300P	14	14V300	300	385	125	6000	4500	423	517	775	50	400	.31	.28	.27	.25
576	V20E300P	20	20V300	300	385	250	10000	6500	423	517	775	100	800	.48	.44	.42	.40
576	V20E320P	20	20V320	320	420	273	10000	6500	459	561	840	100	750	.48	.44	.42	.40
576	V20E385P	20	20V385	385	505	300	10000	6500	558	682	1025	100	700	.48	.44	.42	.40
576	V14E420P	14	14V420	420	560	160	6000	4500	612	748	1120	50	300	.36	.33	.31	.298
576	V20E440P	20	20V440	440	585	340	10000	6500	643	787	1180	100	500	.55	.50	.48	.45
576	V20E510P	20	20V510	510	670	325	10000	6500	738	902	1355	100	350	.65	.61	.58	.548

LITTELFUSE TMOV, iTMOV SERIES

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C)					Specifications (25°C)					Price Each			
Mfr.	Mfr. Part No.			Continuous		Transient			Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8/20 μs		Typical Capacitance f = 1MHz	1	10	100	250
				RMS Volts	Suppressed Vol. Rating	Energy 2ms	Peak Current 8/20 μs	V _{NOM} Min	V _{NOM} Max	V _C	IPK						
				V _M (AC)	UL 1449 Table 60.1	W _{TM}	I _{TM} 1 x Pulse	I _{TM} 2 x Pulse	(V)	(V)	(V)	(A)					
TMOV																	
576	TMOV14RP150E	14	P4T150E	150	500	60	6000	4500	216	264	295	50	800	1.21	1.12	1.07	1.01
576	TMOV14RP250E	14	P4T250E	250	800	100	6000	4500	351	429	650	50	500	1.21	1.12	1.07	1.01
576	TMOV14RP275E	14	P4T275M	275	900	110	6000	4500	387	473	710	50	450	1.21	1.12	1.07	1.01
576	TMOV14RP320E	14	P4T320E	320	900	136	6000	4500	459	561	840	50	380	1.21	1.12	1.07	1.01
576	TMOV20RP130E	20	P2T130E	130	400	100	10000	6500	184	226	340	100	1900	1.38	1.31	1.24	1.17
576	TMOV20RP140E	20	P2T140E	140	400	110	10000	6500	200	240	360	100	1750	1.38	1.31	1.24	1.17
576	TMOV20RP150E	20	P2T150E	150	400	120	10000	6500	216	264	395	100	1600	1.38	1.31	1.24	1.17
576	TMOV20RP320E	20	P2T320E	320	900	270	10000	6500	459	561	840	100	750	1.60	1.53	1.46	1.35
576	TMOV20RP510E	20	P2T510E	510	--	325	10000	6500	738	902	1355	100	350	2.63	2.56	1.60	1.48
576	TMOV20RP625E	20	P2T625E	625	--	400	10000	6500	900	1100	1650	100	250	1.63	1.55	1.47	1.39
iTMOV																	
576	TMOV14RP175M	14	P4T175M	175	700	70	6000	4500	243	297	455	50	700	1.50	1.41	1.35	1.25
576	TMOV14RP300M	14	P4T300M	300	900	125	6000	4500	423	517	775	50	400	1.50	1.41	1.35	1.25
576	TMOV20RP115M	20	P2T115M	115	300	52	10000	6500	162	198	300	100	2400	1.59	1.51	1.49	1.43
576	TMOV20RP130M	20	P2T130M	130	400	100	10000	6500	184	226	340	100	1900	1.46	1.39	1.32	1.24
576	TMOV20RP275M	20	P2T275M	275	700	190	10000	6500	387	473	710	100	900	1.46	1.39	1.32	1.24
576	TMOV20RP320M	20	P2T320M	320	900	270	10000	6500	459	561	840	100	750	1.46	1.39	1.32	1.24
576	TMOV20RP420M	20	P2T420M	420	1200	320	10000	6500	612	748	1120	100	600	1.51	1.43	1.36	1.28
576	TMOV20RP510M	20	P2T510M	510	--	325	10000	6500	738	902	1355	100	350	1.61	1.53	1.45	1.37