

LITTELFUSE Metal Oxide Varistors

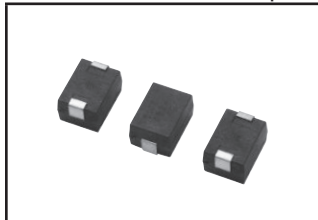


RoHS Compliant This product is RoHS compliant.

SM7 SERIES VARISTORS

Features:

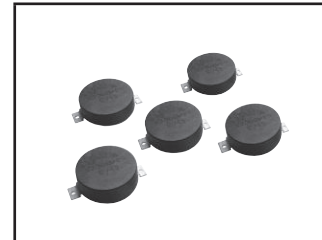
- Electrical equivalent to leaded types LA/ZA series
- AC Voltage rating 275V to 510VAC rms
- No De-Rating up to 85°C ambient
- Good solderability



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 greater than listed, 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	1.38	1.31	1.24	1.15
576	V300SM7	300	775	70	1.38	1.31	1.24	1.15
576	V320SM7	320	850	65	1.38	1.31	1.24	1.15
576	V385SM7	385	1025	60	1.53	1.45	1.37	1.28
576	V420SM7	420	1120	55	1.53	1.45	1.37	1.28
576	V460SM7	460	1190	55	1.70	1.61	1.52	1.42
576	V480SM7	480	1240	50	1.70	1.61	1.52	1.42
576	V510SM7	510	1200	45	1.91	1.81	1.71	1.59

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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	3.64	3.34
576	V175SM20	175	455	1400	2.47	2.33	2.20	2.13
576	V230SM20	230	595	1100	2.47	2.33	2.20	2.13
576	V250SM20	250	650	1000	2.47	2.33	2.20	2.13
576	V320SM20	320	810	750	3.36	3.17	3.00	2.90

LITTELFUSE UltraMOV™ SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C)					Specifications (25°C)					Price Each			
				Continuous		Transient			Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8/20 μs		Typical Capacitance				
				RMS Volts	DC Volts	Energy 2ms	Peak Current 8/20 μs	V _{NOM} Min	V _{NOM} Max	V _C	IPK	f = 1MHz					
Mfr.	Mfr. Part No.	V _M (AC)	V _M (DC)	W _{TM}	I _{TM} 1 x Pulse	I _{TM} 2 x Pulse	(V)	(V)	(V)	(A)	(V)	(A)	(pF)	1	10	100	250
576	V07E130P	130	170	12.5	1750	1200	184	226	340	10	180	.19	.18	.17	.16		
576	V14E130P	130	170	50	6000	4500	184	226	340	50	1000	.34	.316	.304	.286		
576	V20E130P	130	170	100	10000	6500	184	226	340	100	1900	.53	.49	.47	.45		
576	V07E150P	150	200	15	1750	1200	216	264	395	10	150	.19	.18	.17	.16		
576	V14E150P	150	200	60	6000	4500	216	264	395	50	800	.34	.316	.304	.286		
576	V20E150P	150	200	120	10000	6500	216	264	395	100	1600	.53	.49	.47	.45		
576	V07E250P	250	320	25	1750	1200	351	429	650	10	90	.19	.18	.17	.16		
576	V14E250P	250	320	100	6000	4500	351	429	650	50	500	.34	.316	.304	.286		
576	V20E250P	250	320	170	10000	6500	351	429	650	100	1000	.53	.49	.47	.45		
576	V10E300P	300	385	60	3500	2500	423	517	775	25	180	.30	.29	.283	.241		
576	V14E300P	300	385	125	6000	4500	423	517	775	50	400	.34	.316	.304	.286		
576	V20E300P	300	385	250	10000	6500	423	517	775	100	800	.53	.49	.47	.45		
576	V20E320P	320	420	273	10000	6500	459	561	840	100	750	.53	.49	.47	.45		
576	V20E385P	385	505	300	10000	6500	558	682	1025	100	700	.53	.49	.47	.45		
576	V14E420P	420	560	160	6000	4500	612	748	1120	50	300	.34	.316	.304	.286		
576	V20E440P	440	585	340	10000	6500	643	787	1180	100	500	.60	.56	.54	.50		
576	V20E510P	510	670	325	10000	6500	738	902	1355	100	350	.72	.675	.65	.61		

LITTELFUSE TMOV, iTMOV SERIES

For quantities greater than listed, call for quote.

MOUSER STOCK NO.		Model Size Disc Dia. (mm)	Device Model Number Branding	Maximum Rating (85°C)					Specifications (25°C)					Price Each			
				Continuous		Transient			Varistor Voltage at 1mA DC Test Current		Maximum Clamping Voltage 8/20 μs		Typical Capacitance				
				RMS Volts	Suppressed Vol. Rating	Energy 2ms	Peak Current 8/20 μs	V _{NOM} Min	V _{NOM} Max	V _C	IPK	f = 1MHz					
Mfr.	Mfr. Part No.	V _M (AC)	UL 1449 Table 60.1	W _{TM}	I _{TM} 1 x Pulse	I _{TM} 2 x Pulse	(V)	(V)	(V)	(A)	(V)	(A)	C (pF)	1	10	100	250
TMOV																	
576	TMOV14RP150E	150	500	60	6000	4500	216	264	295	50	800	1.80	1.56	1.22	1.09		
576	TMOV14RP250E	250	800	100	6000	4500	351	429	650	50	500	1.80	1.56	1.22	1.09		
576	TMOV14RP275E	275	900	110	6000	4500	387	473	710	50	450	1.80	1.56	1.22	1.09		
576	TMOV14RP320E	320	900	136	6000	4500	459	561	840	50	380	1.80	1.56	1.22	1.09		
576	TMOV20RP130E	130	400	100	10000	6500	184	226	340	100	1900	1.55	1.47	1.40	1.32		
576	TMOV20RP140E	140	400	110	10000	6500	200	240	360	100	1750	1.55	1.47	1.40	1.32		
576	TMOV20RP150E	150	400	120	10000	6500	216	264	395	100	1600	1.55	1.47	1.40	1.32		
576	TMOV20RP320E	320	900	270	10000	6500	459	561	840	100	750	1.55	1.47	1.40	1.32		
576	TMOV20RP510E	510	--	325	10000	6500	738	902	1355	100	350	2.33	2.12	1.56	1.42		
576	TMOV20RP625E	625	--	400	10000	6500	900	1100	1650	100	250	2.38	2.26	1.65	1.44		
iTMOV																	
576	TMOV14RP175M	175	700	70	6000	4500	243	297	455	50	700	1.90	1.79	1.38	1.25		
576	TMOV14RP300M	300	900	125	6000	4500	423	517	775	50	400	1.90	1.79	1.38	1.25		
576	TMOV20RP115M	115	300	52	10000	6500	162	198	300	100	2400	1.65	1.56	1.49	1.40		
576	TMOV20RP130M	130	400	100	10000	6500	184	226	340	100	1900	1.65	1.56	1.49	1.40		
576	TMOV20RP275M	275	700	190	10000	6500	387	473	710	100	900	1.65	1.56	1.49	1.40		
576	TMOV20RP320M	320	900	270	10000	6500	459	561	840	100	750	1.65	1.56	1.49	1.40		
576	TMOV20RP420M	420	1200	320	10000	6500	612	748	1120	100	600	2.33	2.12	1.56	1.42		
576	TMOV20RP510M	510	--	325	10000	6500	738	902	1355	100	350	2.38	2.19	1.68	1.45		