



SMD VARISTOR – DRG021007 Data Sheet, Rev2, Oct 17th 2007¹

Littelfuse Part Number: V30MLA1812NTX2538 – RoHS

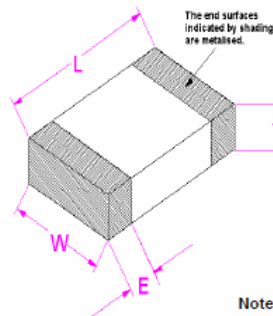
Device Ratings and Characteristics

Part Number	Maximum Ratings (+125°C)					Characteristics (+25°C)	
	Maximum Continuous Working Voltage		Maximum Non-repetitive Surge Current (8/20µs)	Maximum Non-repetitive Surge Energy (10/1000µs)	Maximum Clamping Voltage (8/20µs)	Nominal Voltage Test Current @ 1mA DC	
	V _M (DC)	V _M (AC)	I _{TM}	W _{TM}	V _C @ 500A	V _N (DC)	V _N (DC)
	(V)	(V)	(A)	(J)	(V)	Min (V)	Max (V)
V30MLA1812NTX2538	30	25	500 ^{*6}	2.5	300	35	43

Notes:

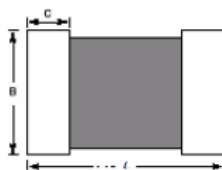
1. Devices can be stored in the range -55°C to +125°C. Keep devices in sealed anti-static bags provided before use. Ideally use within 24hours of opening to avoid environmental attack, e.g. airborne sulfur.
2. Operating Temperature Range -40°C to +85°C.
3. Maximum Leakage at -40°C to +25°C = 50µA @ V_M(DC). De-rated to 125µA maximum at +85°C.
4. Average power dissipation not to exceed: 0.3W
5. T = 4,000 per reel
6. Devices can withstand 10 Consecutive 500A pulses (8/20µs), 30second delay between pulses, V_N(DC) % Shift < 10%

Mechanical Dimensions



Dimension	Specification (in.)	
	Min	Max
L	0.166	0.194
W	0.113	0.137
T	-	0.09
E	0.01	0.03

Recommended Pad Size



Note * - Avoid metal runs in this area. Parts not recommended for use in applications using Silver epoxy.

Dimension	Specification (in.)
A	0.272
B	0.172
C	0.073