Micro Commercial Components

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MLV3225L180PT THRU MLV3225A121PT

Normal Type Multilayer Varistor

Features

- Monolithic Multilayer Construction with and 3225 Model Sizes
- Available in Tape and Reel or Bulk Pack
- Wide Operating Voltage Range V_{DC}=18V to 120V
- Excellent Nonlinear Voltage-Current Characteristics with Low Clamping Voltage and Large Surge Current/Energy Handing Capabilities at Small Size

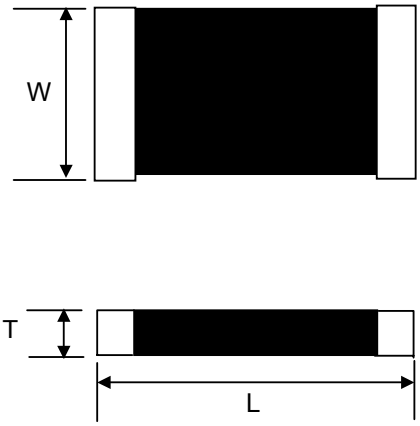
Maximum Ratings

Reference Data

Parameter	Symbol	Value	Unit
Response time	T_{rise}	<1	ns
Leakage current at V_V × 80%	I_{VV}	<50	μA
Leakage current at V_V × 80% (After reality Test)	I_{VVA}	<200	μA
Operating ambient temperature		-55 ~ +85	℃
Storage temperature		-55 ~ +125	℃
Reflow solder profile temperature (Recommend)		225	℃

Other Data

Body	ZnO
End termination	Ag/Sn/Ni plated
Packaging	Reel
Complies with Standard	IEC61000-4-5
Procedure	Single
Marking	None



Size	DIM	INCHES		MM	
		MIN	MAX	MIN	MAX
3225	L	0.118	0.134	3.00	3.40
	W	0.091	0.106	2.30	2.70
	T	---	0.059	---	1.50

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Device Ratings and Specifications

Part Number	Maximum Ratings (125℃)					Specifications(25℃)	
	Maximum Continuous Working Voltage		Maximum Non-Repetitive Surge Current (8/20us)	Maximum Non-Repetitive Surge Energy (10/1000 us)	Maximum Clamping Voltage at Specified Current @ 10A (8/20us)	Nominal Voltage at 1mA(DC)	Typical Capacitance @ 1MHz
	$V_{M(DC)}$ (V)	$V_{M(AC)}$ (V)	I_{TM} (A)	W_{TM} (J)	V_C (V)	$V_{N(DC)}$ (V)	C (pF)
MLV3225L180PT	18	14	200	1.5	40	22.0~28.0	1660
MLV3225L300PT	30	25	200	0.9	65	35.0~43.0	630
MLV3225L450PT	45	35	220	0.9	90	50.0~61.0	315
MLV3225A180PT	18	14	400	1.5	40	22.0~28.0	2800
MLV3225A220PT	22	17	300	1.7	44	24.0~30.0	2050
MLV3225A260PT	26	20	300	1.9	54	29.0~38.0	1480
MLV3225A300PT	30	25	280	1.2	62	35.0~43.0	1150
MLV3225A380PT	38	30	250	2.0	78	42.3~51.7	950
MLV3225A450PT	45	35	250	2.0	90	50.0~61.0	715
MLV3225A560PT	56	40	250	2.3	110	61.2~74.0	500
MLV3225A680PT	68	50	250	1.5	135	74.0~90.0	370
MLV3225A850PT	85	60	250	1.5	165	91.0~115.0	200
MLV3225A121PT	120	107	125	1.5	230	135.0~165.0	65