Surface Mount >-LDM102-141N~701M Series

Applicable

For Power Supplies(LDM302 or LDM102 Series)
- Standard power supplies requisite by US UL1449.
- Highly reliable power supplies.
- Three or two phases industrial or civic machinery equipment power.
- Power supplies for IC or electronic circuits.
- Surge compressor for switch and relay.

For Data Communication Equipment(LDM302,LDM102 or LDM501 Series)
- Standard protection required by US UL497A and UL497B.
- Programmable switch machine.
- Telephone
- Fax
- Modem

Equipment with Antenna or Antenna/Signal Circuits including mobile equipment(LDM102 or LDM501Series)
- Standard protection required by US UL1414.
- Satellite Antenna
- Amplifier
- Cassette
- Radio
- Alarm and sensor

Equipment where Anti-static is Required(LDM102 or LDM501 Series)
- Display including TV.
- Monitor
- Environment where dusty and flammable material are presented.

All kinds of Medical equipment and devices(LDM302,RLM102 or LDM501 Series)

Features

- Compared with other surge absorbers having similar functions BLSA has the fast response speed ,largest
- withstand current and voltage but smallest size.
- Zero leaking current before clamping voltage.
- All electrical characteristics are very stable even after long period of charge and discharge. There is no need for inspection and exchange periodically.
- S uper capability to withstand repeated lightning strikes.
- Stable and very Small electrostatic capacitance (<0.8pf) and great isolation (>100MΩ).
- No pollution material.
- Bilateral and symmetrical.
- Completely insensitive to weather, temperature, humidity and lightness.

Product Name

L	D	M	1	0	2	-	5	0	1	M
Logo		M:SMD S:Magnet-type		8/20us 501=500A 102=1000A 302=3000A			DC Spark-Over Voltage of 500V 501=50*10^{1}V			Tolerance N±30% M±20% L±15%

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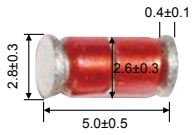
Electriacl Characteristics

Type Number	DC Spark-Over Voltage	Minimum Insulation Resistance		Maximu Capacitance (1KHz-6Vmax.)	Surge Current Capacity (8/20μs)	Surge Life Test	Package Dimensions (mm)
	V_S	Test Voltage	I_{rchm}	C_j			
	V	V	MΩ	pF			
LDM102-141N	140±30%	50	100	0.8	10KV/>1000A	10KV 150A >200 times	
LDM102-201M	200±20%	100	100	0.8	10KV/>1000A		
LDM102-301M	300±20%	100	100	0.8	10KV/>1000A		
LDM102-401M	400±20%	250	100	0.8	10KV/>1000A		
LDM102-501M	500±20%	250	100	0.8	10KV/>1000A		
LDM102-701M	700±20%	500	100	0.8	10KV/>1000A		

General Characteristics

No Radioactive Material
Storage Temperature: -55ºC to +125ºC
Operating Temperature: -55ºC to +85ºC
Body: Nickel Plated
Leads: Surface-mount, Axial Devices: Tin Plated
Devices with No Leads: Nickel Plated

Packaging Information

Part Number	Component package	Quantity	Packaging Option	Packaging Specification
LDM102	**5.0*2.6**	**1500**	**Tape&reel**	

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Test Methods And Results

ITEM	TEST METHOD	STANDARD
Static Life	10KV with 1500pf condenser is discharged through 2KΩ resistor. 200 times at an interval of 10sec.	Rate-of-change, within±30% insulation resistance & capacitance, conformed to rated spec.
Cold Resistance	Measurement after -40℃/1000 HRS & normal temperature/2 HRS.	Features are conformed to rated spec.
Heat Resistance	Measurement after 125℃/1000 HRS & normal temperature/2 HRS.	
Humidity Resistance	Measurement after humidity 90~95%(45℃)/1000 HRS & normal temperature/2 HRS.	
Temperature Cycle	10 times repetition of cycle -40℃/30min normal,temp/2 min →125℃/30min,measurement after normal temp/2 HRS.	
Solder Ability	Apply flux and immerse in molten solder230±5℃for 3sec up to the point of 1.5mmFrom body. Check for solder adhesion.	Lead wire is evenly covered by solder.
Solder Heat	Measurement after lead wire is dipped up to the point of 1.5mm from body into 260±5℃ solder for 10sec.	Conformed to rated spec.
Pull Strength	Apply 0.5kg load for 10sec.	Lead shall not pull out or snap.
Flexural Strength	Bend lead wire at the point of 2mm from body under 0.25 load and back to its original point. Repeat 1 time.	