

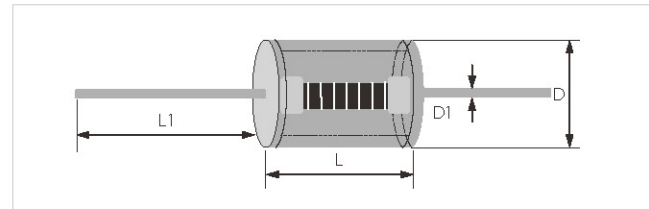
정의 전도성 박막을 일정한 폭으로 절연 시켜 불활성 가스 분위기로 세라믹관을 실링하여 써지 발생시 방전을 일으켜 써지를 흡수하는 전자부품을 말한다.

Features

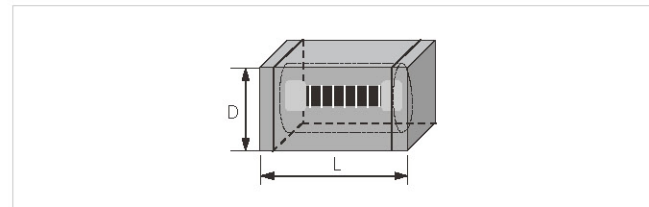
- Small size(4532 & 6842)
- High insulation resistance
- Fast response time
- Excellent Durability
- Great Surge Current Capacity
- Low Capacitance(<0.5pF)
- Wide Application

Dimension

4532 series



Division	Dimension (mm)			
	L	L1	D	D1
cylinder	4.5 ± 1.0	27.0 ± 3.0	3.2 ± 0.5	0.5 ± 0.05



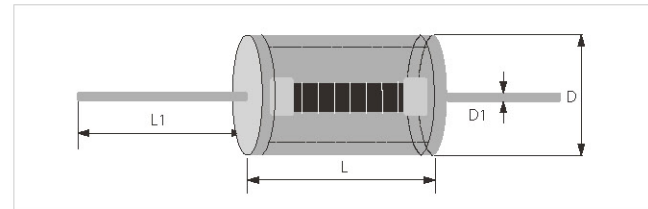
Division	Dimension (mm)	
	L	D
square	4.5 ± 1.0	3.2 ± 0.5

Agency Approval

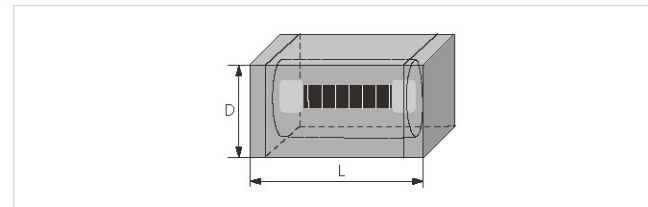


- UL 1449 인증규격 획득
- Surge Absorber UL 규격 통과함
: UL1414 안테나 + UL1449 전원용 = UL1449 (2013. 09. 30)
- Test 강화
: Surge 45회(3ea x15회) 인가시
Out-put voltage tolerance ±20% 이내 일것.

6842 series



Division	Dimension (mm)			
	L	L1	D	D1
cylinder	6.8 ± 1.0	27.0 ± 3.0	4.2 ± 0.5	0.5 ± 0.05



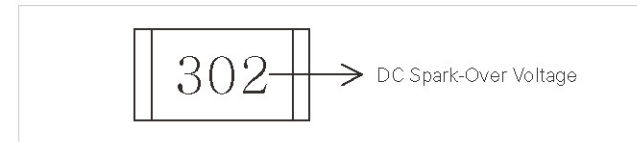
Division	Dimension (mm)	
	L	D
square	0.5 ± 0.05	0.5 ± 0.05

Type Designation

BSA	6842	M	M	701
Product Code	Product Size	Shape	Tolerance	DC Spark-Over Voltage
	4532	M : SMD	M : ± 20%	301 300V
	6842	(Square type)	N : ± 30%	501 500V
		L : Lead		701 700V
		(Cylinder type)		4532 102 1000V
				152 1500V
				202 2000V
				302 3000V
				272 2700V
				6842 302 3000V
				362 3600V
				452 4500V

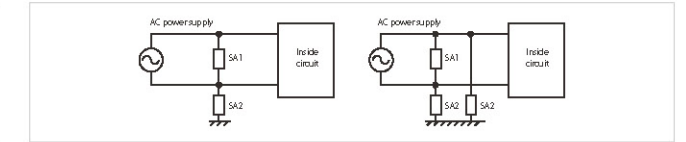
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Marking



At 4532 & 6842 Type : Describe with 3 position (First, Second position is the DC spark-over voltage, Third position is the multiplier.)

Application



- High voltage
: LED lighting, Power Supplies, Antenna protection, Vehicle charging stations
- Low voltage
: ESD protection, Telecommunication line, CCTV, Cable modem

Characteristic

Size	Type	DC Spark-Over Voltage (V)	Insulated Resistance		Capacitance (pF) 1kHz-6Vmax	Surge current capacity 8/20µsec	Surge life test	AC Withstanding Voltage
			IR (MΩ)	Test Voltage (V)				
4532	BSA4532□□301	240 ~ 360	Over 100	DC 100	Below 1	2kA	100A 300times	-
	BSA4532□□501	400 ~ 600		DC 250				-
	BSA4532□□701	560 ~ 840		DC500				-
	BSA4532□□102	800 ~ 1200						-
	BSA4532□□152	1200 ~ 1800						-
	BSA4532□□202	1600 ~ 2400						AC1,000V-1min
6842	BSA4532□□302	2400 ~ 3600	Over 100	DC500	3kA	100A 300times	AC1,500V-1min	
	BSA6842□□272	2160 ~ 3240					DC1000	AC1,200V-3sec
	BSA6842□□302	2400 ~ 3600		AC1,500V-1min				
	BSA6842□□362	2880 ~ 4320		AC1,800V-3sec				
	BSA6842□□452	3600 ~ 5400		AC2,000V-1min				

Characteristics Specification		Specification
Range of using temp (°C)		-40 ~ +85
Range of preserving temperature (°C)		-55 ~ +125
Ambient temperature (°C)		20

Performance

Test Items	Performance Requirements	Test Methods
Temperature Cycle	To meet the specified value	-55±3°C, 30min, Normal Temp (3min) 125±2°C, 30min, Normal Temp (3min) -55±3°C, 30min, 200times, measure Vs, IR, C
Humidity Test	To meet the specified value	85 ± 2°C, 85%RH, 1000hr, measure Vs, IR, C
Heat Resistance Test	To meet the specified value	125 ± 2°C, 1000hr, measure Vs, IR, C
Cold Resistance Test	To meet the specified value	-55 ± 3°C, 1000hr, measure Vs, IR, C
Surge Life Test	ΔVs / Vs ≤ 30%	After 300 cycle at 30 second intervals across the terminals operating measures Vs, IR, C from 8/20µs 100A
Surge Current Capacity Test	ΔVs / Vs ≤ 30% or No visuadamage	4532series : After 3 cycle at 5 minutes intervals across the terminals operating measures a quality from 8/20µs 2000A. 6842series : After 3 cycle at 5 minutes intervals across the terminals operating measures a quality from 8/20µs 2000A.

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