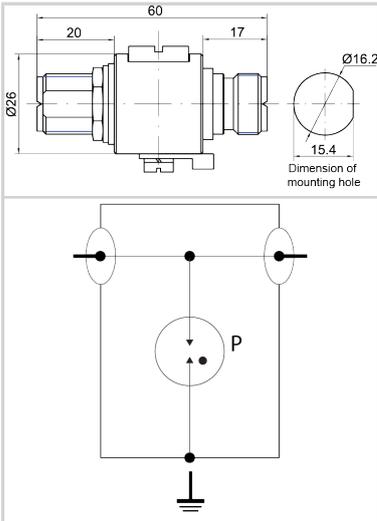




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P8AX09-U/FF



Electrical Characteristics

Max. DC operating voltage	Uc	72 Vdc
Frequency range	f	DC-2.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current @25°C	IL	10 A
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax	20 kA
Nominal discharge current <i>C2 Category</i>	In	5 kA
Protection mode(s)		Common mode
Protection level <i>@1kV/µs (C3)</i>	Up	< 650 V
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	Iimp	1 kA
Max Power		25 W
Typical let through energy <i>(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs</i>		300 µJ
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
RF SPD TYPE		UL497E LISTED
VOLTS	(V)	48
AC/DC/DC PV/RF		RF
WIRES		1W+GROUND
LINE CURRENT MAX	(A)	10
AMBIENT MIN	(C)	-40
AMBIENT MAX	(C)	+85
IMAX <i>8/20µs</i>	(kA)	20
FREQUENCY RANGE	(GHz)	0-4.0
INSERTION LOSS (@ FREQ)	(db)	<0.2
RETURN LOSS	(db)	22
VSWR		<1.25:1

Installation

Mounting	Bracket or Bulkhead through-hole
Accessories	BK series mounting bracket

Mechanical Characteristics

Technology		Gas discharge tube
Connection to Network		Connector UHF Female/Female
Mounting		Bulkhead or Bracket
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Short-circuit
Contacts		Bronze/Surface Au-Ag



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P8AX09-U/FF

Insulation material	PTFE
TECHNOLOGY	GDT
CONNECTION METHOD	SERIES CONNECTOR, BI-DIRECTIONAL
MOUNTING	BULKHEAD, OPTIONAL BRACKET
MATERIAL	Housing-Cu, Zn, Sn plated Brass
NEMA RATING (IP RATING)	NEMA 6P (IP67)
DIMENSIONS	See diagram
WEIGHT	0.30 lbs
Standards	
Environmental standards	EU RoHS
RohS compliance	Yes
UL STANDARD	UL497E
UL CATEGORY	QVLA
UL FILE NUMBER	E349646
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	
6116721	

