P8AX09-6G-SMA/MF

▸Gas Discharge Tube Technology, DC Pass

▸Frequency Range 0-6 GHz

▸Imax 20kA, 10kA (UL), In 10kA

▸IP67 Outdoor Rated

▸SMA Type Connector

▸Bi-Directional

▸Replaceable Gas Tube

RoHS
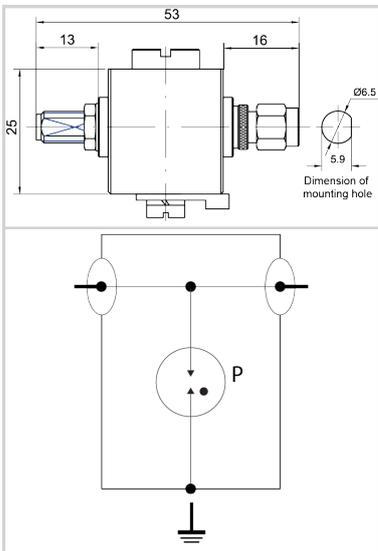
Electrical Characteristics		
Max. DC operating voltage	Uc	120 Vdc
Frequency range	f	DC-6 GHz
Insertion loss		< 0.3dB
Return loss		> 18 dB
Impedance		50 ohms
VSWR		<1.3:1
Max. load current @25°C	IL	10 A
Max. discharge current _max. withstand @ 8/20 µs by pole_	Imax	15 kA
Nominal discharge current _C2 Category_	In	5 kA
Protection mode(s)		Common mode
Impulse current _2 x 10/350µs Test - D1 Category_	Iimp	1 kA
Max Power		25 W
Typical let through energy _(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs_		2.2 mJ
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 _8/20µs_	(kA)	20
FREQUENCY RANGE	(GHz)	0-6.9
INSERTION LOSS (@ FREQ)	(db)	<0.2
RETURN LOSS	(db)	22
VSWR		<1.25:1
Mechanical Characteristics		
Technology		Gas discharge tube
Connection to Network		Connector SMA Male/Female
Mounting		Feedthrough
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Short-circuit
Contacts		Bronze/Surface Au-Ag
Insulation material		PTFE
TECHNOLOGY		GDT
CONNECTION METHOD		SERIES CONNECTOR, BI-DIRECTIONAL
MOUNTING		BULKHEAD, OPTIONAL BRACKET
MATERIAL		Cu, Zn, Sn plated Brass, PTFE
NEMA RATING (IP RATING)		NEMA 6P (IP67)
DIMENSIONS		See diagram
WEIGHT		0.30 lbs
Standards		
Environmental standards		EU RoHS

P8AX09-6G-SMA/MF

RohS compliance	Yes
UL STANDARD	UL497E
UL CATEGORY	QVLA
UL FILE NUMBER	E349646
STANDARDS	NOM-003-SCFI-2014, NOM-001-SCFI-1993
Part number	
68501	