

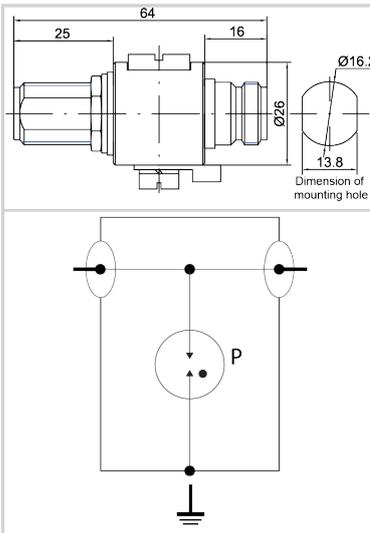


# P8AX09-N/FF

# CITEL



►4GHz Bi-Directional Coaxial Surge Protector - High Energy GDT Technology - Low Insertion Loss - Field Replaceable GDT - Waterproof Design - DC Pass - UL497E Listed



Electrical Characteristics			
Max. DC operating voltage	Uc	72 Vdc	
Frequency range	f	DC-3.5 GHz	
Impedance		50 ohms	
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 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	
LINE CURRENT MAX	(A)	10	
AMBIENT MIN	(C)	-50	
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)	≥20	
VSWR		<1.20:1	
Installation			
Mounting		Bracket or Bulkhead through-hole	
Accessories		BK series mounting bracket	
Mechanical Characteristics			
Technology		Gas discharge tube	
Connection to Network		Connector N Female/Female	
Mounting		Bulkhead or Bracket	
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 N-Type Connector-Female-Female	
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			



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Environmental standards		EU RoHS
UL STANDARD		UL497E
UL CATEGORY		QVLA
UL FILE NUMBER		E349646
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
<b>Part number</b>		
<b>6000150</b>		

