

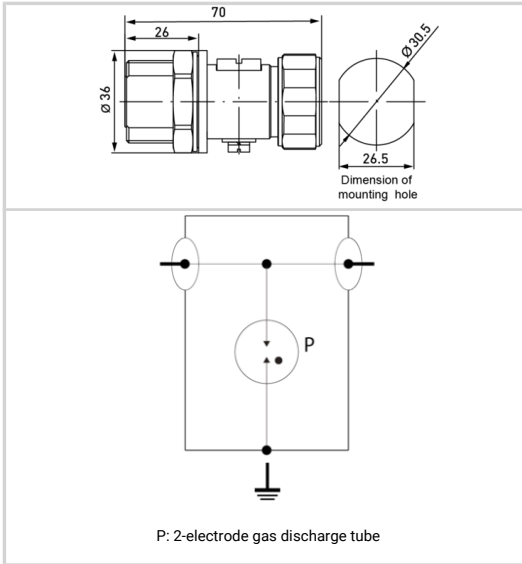


# CITEL

## P8AX25-716/MF



➢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	200 Vdc
Frequency range	f	DC-3.5 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
Protection mode(s)		Common mode
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	limp	1 kA
Nominal discharge current <i>C2 Category</i>	In	5 kA
Max Power		190 W
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
RF Power <i>Maximum</i>	W	190.0000
Return Loss <i>Minimum</i>	db	>20
VSWR <i>Maximum</i>	:1	<1.2:1
Max Total Discharge Current <i>Imax (8/20µs x 1)</i>	kA	20.0000
Max Discharge Current <i>Imax (8/20µs x 1)</i>	kA	20.0000
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		
Operating Temperature <i>Min</i>	°C	-45.0000
Operating Temperature <i>Max</i>	°C	85.0000
Operating Temperature <i>Min</i>	°F	-50.0000
Operating Temperature <i>Max</i>	°F	85.0000
Operating Relative Humidity <i>Max</i>	%RH	Can be submerged
Operating Altitude <i>Min</i>	Ft	2000.0000
Operating Altitude <i>Max</i>	Ft	6500.0000
Housing/Enclosure material		Cu, Zn, Sn plated Brass
Mounting		Bracket or through hole
IP Environmental rating <i>IP</i>		IP65
NEMA Environmental rating <i>NEMA</i>		NEMA 4
Installation Location		Indoor / outdoor
Spare part		BB HF 250/20
Accessories		BK
Product Dimension <i>L</i>	mm	70.0000
Product Dimension <i>H</i>	mm	36.0000
Product Dimension <i>W</i>	mm	26.5000
Product Dimension <i>L</i>	In	2.7600

Product Dimension <i>H</i>	In	1.4200
Product Dimension <i>W</i>	In	1.0400
<b>Miscellaneous</b>		
Individual Pack		No
Storage Temperature <i>Min</i>	°C	-40.0000
Storage Temperature <i>Max</i>	°C	85.0000
Storage Temperature <i>Min</i>	°F	-40.0000
Storage Temperature <i>Max</i>	°F	85.0000
<b>Mechanical Characteristics</b>		
Technology		Gas discharge tube
Connection to Network		Connector 7/16 Male/Female
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
<b>Standards</b>		
RohS compliance		Yes
UL STANDARD		UL497E
UL CATEGORY		QVLA
UL FILE NUMBER		E349646
STANDARDS		NOM-003-SCFI-2014, NOM-001-SCFI-1993
ENVIRONMENTAL STANDARDS		ROHS
<b>Part number</b>		
60404		