



- Gas Discharge Tube Technology, DC Pass
- Frequency Range 0-2.5 GHz
- I<sub>max</sub> 20kA, 10kA (UL), In 10kA
- IP67 Outdoor Rated
- UHF-Type Connector
- Bi-Directional
- Replaceable Gas Tube



Electrical Characteristics		
Max. DC operating voltage	Uc	400 Vdc
Frequency range	f	DC-2.5 GHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2
Max. load current @25°C	IL	10 A
Protection mode(s)		Common mode
Impulse current 2 x 10/350µs Test - D1 Category	limp	1 kA
Nominal discharge current C2 Category	In	5 kA
Max Power		770 W
DC Pass		Yes
Insulation resistance	IR	≥10 GOhms
RF Power Maximum	W	190.0000
Return Loss Minimum	db	>20
VSWR Maximum	:1	<1.2:1
Max Total Discharge Current I <sub>max</sub> (8/20µs x 1)	kA	20.0000
Max Discharge Current I <sub>max</sub> (8/20µs x 1)	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 8/20µs	(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 <sub>Min</sub>	°C	-45.0000
Operating Temperature <sub>Max</sub>	°C	85.0000
Operating Temperature <sub>Min</sub>	°F	-50.0000
Operating Temperature <sub>Max</sub>	°F	85.0000
Operating Relative Humidity <sub>Max</sub>	%RH	Can be submerged
Operating Altitude <sub>Min</sub>	Ft	2000.0000
Operating Altitude <sub>Max</sub>	Ft	6500.0000
Housing/Enclosure material		Cu, Zn, Sn plated Brass
Mounting		Bracket or through hole
IP Environmental rating/IP		IP67
Installation Location		Indoor / outdoor
Spare part		BB HF 250/20
Accessories		BK
Product Dimension <sub>L</sub>	mm	68.0000
Product Dimension <sub>H</sub>	mm	26.0000
Product Dimension <sub>W</sub>	mm	13.8000
Product Dimension <sub>L</sub>	In	2.6800

Product Dimension <i>H</i>	In	1.0200
Product Dimension <i>W</i>	In	0.5400
<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 UHF Female/Female
Failsafe mode		Short-circuit
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>		
<b>611812</b>		