



# CITEL

## Coaxial surge protector DC-3.5 GHz

### P8AX50-NWSMA/FF



- RF coaxial surge protector
- 3.5 GHz
- 275 W
- Connectors: N/SMA
- Low insertion loss
- Removable GDT
- DC-pass
- Bi-directional protection



	<b>Electrical Characteristics</b>		
	Max. DC operating voltage	Uc	400 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	
Residual Current Leakage current to Ground	Ipe	None	
Max. discharge current max. withstand @ 8/20 µs by pole	I <sub>max</sub>	20 kA	
Protection mode(s)		Common mode	
Protection level @1kV/µs (C3)	Up	< 1200 V	
Impulse current 2 x 10/350µs Test - D1 Category	I <sub>imp</sub>	1 kA	
Nominal discharge current C2 Category	I <sub>n</sub>	5 kA	
Max Power		275 W	
Typical let through energy (50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs		1100 µJ	
DC Pass		Yes	
Insulation resistance	IR	≥10 GOhms	
	<b>Mechanical Characteristics</b>		
	Technology		Gas discharge tube
Connection to Network		Connector N Female/SMA Female	
Mounting		Feedthrough	
Housing material		Brass/Surface plating: Cu Zn Sn	
Operating temperature	Tu	-40/+85°C	
Protection rating		IP65	
Failsafe mode		Short-circuit	
Disconnection indicator		Transmission interrupt	
Spare module(s)		BBHF-500V	
Dimensions		See diagram	
Contacts		Bronze/Surface Au-Ag	
<b>Standards</b>			
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E	
RohS compliance		Yes	
<b>Part number</b>			
611826			

