



# Coaxial surge protector DC-3.5 GHz

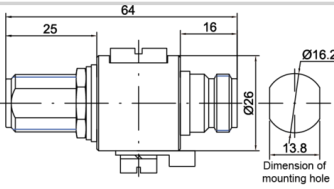
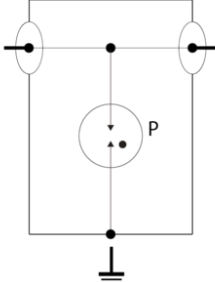
# CITEL

## P8AX09-N/FF



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



 	<table border="1"> <thead> <tr> <th colspan="3">Electrical Characteristics</th> </tr> </thead> <tbody> <tr> <td>Max. DC operating voltage</td> <td>Uc</td> <td>72 Vdc</td> </tr> <tr> <td>Frequency range</td> <td>f</td> <td>DC-3.5 GHz</td> </tr> <tr> <td>Impedance</td> <td></td> <td>50 ohms</td> </tr> <tr> <td>Residual Current <i>Leakage current to Ground</i></td> <td>Ipe</td> <td>None</td> </tr> <tr> <td>Max. discharge current <i>max. withstand @ 8/20 µs by pole</i></td> <td>I<sub>max</sub></td> <td>20 kA</td> </tr> <tr> <td>Protection level <i>@1kV/µs (C3)</i></td> <td>Up</td> <td>&lt; 650 V</td> </tr> <tr> <td>Impulse current <i>2 x 10/350µs Test - D1 Category</i></td> <td>I<sub>imp</sub></td> <td>1 kA</td> </tr> <tr> <td>Nominal discharge current <i>C2 Category</i></td> <td>I<sub>n</sub></td> <td>5 kA</td> </tr> <tr> <td>Max Power</td> <td></td> <td>25 W</td> </tr> <tr> <td>Typical let through energy <i>(50 ohms) input 4kV 1.2/50µs - 2kA 8/20µs</i></td> <td></td> <td>300 µJ</td> </tr> <tr> <td>DC Pass</td> <td></td> <td>Yes</td> </tr> <tr> <td>Insulation resistance</td> <td>IR</td> <td>≥10 GOhms</td> </tr> <tr> <th colspan="3">Mechanical Characteristics</th> </tr> <tr> <td>Technology</td> <td></td> <td>Gas discharge tube</td> </tr> <tr> <td>Connection to Network</td> <td></td> <td>Connector N Female/Female</td> </tr> <tr> <td>Mounting</td> <td></td> <td>Feedthrough</td> </tr> <tr> <td>Housing material</td> <td></td> <td>Brass/Surface plating: Cu Zn Sn</td> </tr> <tr> <td>Operating temperature</td> <td>Tu</td> <td>-40/+85°C</td> </tr> <tr> <td>Protection rating</td> <td></td> <td>IP65</td> </tr> <tr> <td>Failsafe mode</td> <td></td> <td>Short-circuit</td> </tr> <tr> <td>Disconnection indicator</td> <td></td> <td>Transmission interrupt</td> </tr> <tr> <td>Spare module(s)</td> <td></td> <td>BBHF-90V</td> </tr> <tr> <td>Dimensions</td> <td></td> <td>See diagram</td> </tr> <tr> <td>Contacts</td> <td></td> <td>Bronze/Surface Au-Ag</td> </tr> <tr> <th colspan="3">Standards</th> </tr> <tr> <td>Standards compliance</td> <td></td> <td>IEC 61643-21 / EN 61643-21 / UL497E</td> </tr> <tr> <th colspan="3">Part number</th> </tr> <tr> <td colspan="3">6000150</td> </tr> </tbody> </table>	Electrical Characteristics			Max. DC operating voltage	Uc	72 Vdc	Frequency range	f	DC-3.5 GHz	Impedance		50 ohms	Residual Current <i>Leakage current to Ground</i>	Ipe	None	Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	I <sub>max</sub>	20 kA	Protection level <i>@1kV/µs (C3)</i>	Up	< 650 V	Impulse current <i>2 x 10/350µs Test - D1 Category</i>	I <sub>imp</sub>	1 kA	Nominal discharge current <i>C2 Category</i>	I <sub>n</sub>	5 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	Mechanical Characteristics			Technology		Gas discharge tube	Connection to Network		Connector N Female/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-90V	Dimensions		See diagram	Contacts		Bronze/Surface Au-Ag	Standards			Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E	Part number			6000150		
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