

RF Equipment Protection up to 2GHz

Novaris gas discharge surge protectors are capable of passing RF signals to 2GHz (limited by connector type). N-type female / female protectors are suitable for bulkhead mounting.



C N - FF - 90 - 2 - M

Product Series _____ Options
 Connector _____ f_c
 Gender _____ U_c

CN-MF-90-2

CN-FF-90-2

CN-MF-230-2

CN-FF-230-2

CN-MF-350-2

CN-FF-350-2



Electrical Specifications		CN-MF-90-2	CN-FF-90-2	CN-MF-230-2	CN-FF-230-2	CN-MF-350-2	CN-FF-350-2
Connection type		Series					
Modes of protection		Signal-Earth					
Sparkover voltage	U_c	90VDC		230VDC		350VDC	
Maximum discharge current (8/20 μ s)	I_{max}	20kA					
Power rating		0 - 40W		40 - 125W		125 - 300W	
Maximum working frequency	f_c	2GHz					
Voltage protection level @ 3kA (8/20 μ s)	U_p	<650V		<820V		<1.1kV	
Characteristic impedance		50 Ω (75 Ω F-type only)					
VSWR		<1.1:1					
Return loss		>26dB					
Insertion loss		<0.2dB					

Mechanical Specifications	
Operating temperature / humidity	-40 to +85°C / 0 to 90% non-condensing
Connection type	N-type
Connection orientation	M / F F / F M / F F / F M / F F / F
Mounting	Inline / bulkhead (N-type only)
Environmental	IP 55
Enclosure / colour	Aluminium / black
Weight	150g

Connector type variation	
BNC	B
7/16 DIN	D (Mounting bracket not available)
F-type	- F - F - F
N-type (bulkhead mount female)	N Standard N Standard N Standard
UHF	U
TNC	T

Options	
Mounting bracket	M

Dimensions											
Configuration	CB-MF	CB-FF	CD-MF	CD-FF	CF-FF	CN-MF	CN-FF	CU-MF	CU-FF	CT-MF	CT-FF
Width	26mm		Ø40mm	Ø40mm	26mm						
Height	26mm				26mm						
Maximum length	64mm	61mm	70mm	73mm	57mm	64mm	72mm	57mm		80mm	

Standards Compliance
ITU-T K.44
AS/NZS 1768
IEEE C62.41
BS 6651
CP 33
IEC 61643-21
UL497B