



### RF Equipment Protection Tuned Stub

Novaris tuned stub surge protectors employ quarter-wavelength short circuit stub technology. Suitable for narrow bandwidth applications where no DC voltage is injected. RF power and surge rating are limited by the cables and connectors only.

**CSTUB - N - MF - 2400**

Product Series \_\_\_\_\_ Gender  $t_f$   
 Connector \_\_\_\_\_

CSTUB-D-MF-900

CSTUB-D-FF-900

CSTUB-N-MF-900

CSTUB-N-FF-900

CSTUB-D-MF-2400

CSTUB-D-FF-2400

CSTUB-N-MF-2400

CSTUB-N-FF-2400



Electrical Specifications		
Connection type		Series
Modes of protection		Signal-Earth
Maximum discharge current (8/20 $\mu$ s)	$I_{max}$	50kA
Power rating		Limited only by connectors and cables used.
Tuned frequency range	$t_f$	400MHz to 3GHz (specify)
Voltage protection level @ 3kA (8/20 $\mu$ s)	$U_p$	<20V
Characteristic impedance		50 $\Omega$
Bandwidth		$\pm$ 10% of tuned frequency
VSWR		<1.1:1 within bandwidth
Return loss		>26dB within bandwidth
Insertion loss		<0.1dB at tuned bandwidth

Mechanical Specifications									
Operating temperature / humidity	-40 to +85°C / 0 to 90% non-condensing								
Connection type	7/16 DIN		N-type		7/16 DIN		N-type		
Connection orientation	M / F	F / F	M / F	F / F	M / F	F / F	M / F	F / F	
Mounting	Inline								
Maximum bulkhead thickness	9mm								
Environmental	IP 55								
Enclosure / colour	Brass / silver								

Dimensions									
Body diameter	32mm								
Height	Depends upon operating frequency								
Maximum length	63mm	60mm	56mm	54mm	63mm	60mm	56mm	54mm	

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