



# CITEL



## PRC900-T/FF

- ▶ Quarter wave coaxial protector type N
- ▶ Frequency : 870-960 MHz
- ▶ Low insertion loss
- ▶ I<sub>max</sub> > 50 kA
- ▶ Maintenance free
- ▶ Bi-directional
- ▶ IP65



Electrical Characteristics		
Frequency range	f	870-960 MHz
Insertion loss		< 0.2 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.2:1
Max. load current @25°C	IL	10 A
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I <sub>max</sub>	50 kA
Nominal discharge current <i>C2 Category</i>	I <sub>n</sub>	25 kA
Protection mode(s)		Common mode
Impulse current <i>2 x 10/350 μs Test - D1 Category</i>	I <sub>imp</sub>	25 kA
Max Power @f mini.		356 W
DC Pass		No
RF Power <i>Maximum</i>	W	1500.0000
Return Loss <i>Minimum</i>	db	20
VSWR <i>Maximum</i>	:1	<1.2:1
Max Total Discharge Current <i>I<sub>max</sub> (8/20 μs x 1)</i>	kA	40.0000
Max Discharge Current <i>I<sub>max</sub> (8/20 μs x 1)</i>	kA	40.0000
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		IP65
NEMA Environmental rating/NEMA		NEMA 4
Installation Location		Indoor / outdoor
Accessories		BK
Product Dimension <sub>L</sub>	mm	76.0000
Product Dimension <sub>L</sub>	In	2.9920
Miscellaneous		
Individual Pack		No
Storage Temperature <sub>Min</sub>	°C	-40.0000
Storage Temperature <sub>Max</sub>	°C	85.0000
Storage Temperature <sub>Min</sub>	°F	-40.0000
Storage Temperature <sub>Max</sub>	°F	85.0000
Mechanical Characteristics		
Technology		Quarter Wave
Connection to Network		Connector TNC Female/Female
Operating temperature	T <sub>u</sub>	-40/+85°C
Protection rating		IP65
Failsafe mode		Without
Contacts		Bronze/Surface Au-Ag
Insulation material		PTFE
Standards		
RohS compliance		Yes
Part number		
<b>621126</b>		

