



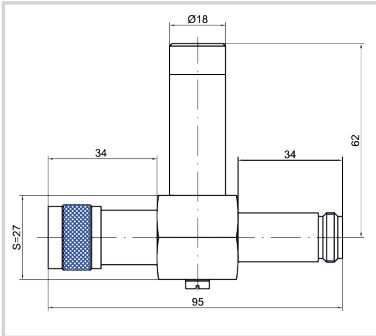
# CITEL

## 'Quarter wave' coaxial protector

### PRC822S-N/MF



- ▶ 'Quarter wave' coaxial protector type N
- ▶ Frequency : 800-2200 MHz
- ▶ Low insertion loss
- ▶  $I_{max} > 50 \text{ kA}$
- ▶ Maintenance free
- ▶ Bi-directional
- ▶ IP65



Electrical Characteristics		
Frequency range	f	800-2200 MHz
Insertion loss		< 0.1 dB
Return loss		> 20 dB
Impedance		50 ohms
VSWR		<1.1:1
Max. load current @25°C	IL	10 A
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	$I_{max}$	50 kA
Nominal discharge current <i>C2 Category</i>	$I_n$	25 kA
Protection mode(s)		Common mode
Protection level <i>@1kV/µs (C3)</i>	Up	30 V
Impulse current <i>2 x 10/350µs Test - D1 Category</i>	$I_{imp}$	25 kA
Max Power @f max.		867 W
Max Power @f mini.		1437 W
PIM 3rd order (2x20W)		< -160 dBc
DC Pass		No
Mechanical Characteristics		
Technology		Quarter Wave
Connection to Network		Connector N Male/Female
Mounting		Connector
Housing material		Brass/Surface plating: Cu Zn Sn
Operating temperature	Tu	-40/+85°C
Protection rating		IP65
Failsafe mode		Without
Dimensions		See diagram
Contacts		Bronze/Surface Au-Ag
Weight		0.3 kg
Standards		
Standards compliance		IEC 61643-21 / EN 61643-21 / UL497E
RohS compliance		Yes
Part number		
<b>61003</b>		

