

## PCT-MPI-12

**PRELIMINARY**

Power Inserter, High Isolation, 5 to 1218 MHz

Electrical Specifications		PCT-MPI-12	
Parameter	Typical	Value (dB)	
		Max	Guaranteed
<b>Insertion Loss</b>			
5 to 1281 MHz	0.5		0.8
<b>Isolation (RF In / Out – Pwr In)</b>			
5 to 15 MHz	75	Min	65
15 to 860 MHz	80		75
860 to 1002 MHz	80		70
1002 to 1218 MHz	75		65
<b>Return Loss (RF In / Out)</b>			
5 to 1002 MHz	22	Min	20
1002 to 1218 MHz	20		18



### General Specifications

Parameter	Specification
Voltage	24 VDC Max, 1 A Max
Impedance	75 Ohms
RFI Shielding	- 110 dB
Surge Withstand (all ports)	IEEE C62.41-1991 Category A3 (6000 V, 200 Amp, 0.5 μs-100 kHz Ring Wave)
F-Port	3/8-32 UNEF-2A, ANSI / SCTE 01 2006
F-Port Pressure Seal	≥ 15 psi, moisture migration resistance per ANSI / SCTE 60 2010
F-Port Tightening Torque Withstand	≥ 60 in-lbs
Operating Temperature	-40 to +60 °C (-40 to 140 °F)
Regulatory Standards	CE conformance (EN50083-2:2006 Class A)

### Ordering Information

Part Number	Description
PCT-MPI-12	Power Inserter, High Isolation, 5 to 1218 MHz