



Description: Adaptor, BNC female – IEC male Push On.

## DATA SHEET

### Electrical

	Specification		Standard
Frequency Range	5 MHz – 3.000 MHz		
Impedance	75 $\Omega$ nominal		
	<b>Better Than</b>	<b>Measured</b> – Worst case of 5 measurements	
<b>Return Loss Gated</b>	24 dB	$\geq 27.2$ dB	5 MHz – 500 MHz
	24 dB	$\geq 27.2$ dB	500 MHz – 860 MHz
	23 dB	$\geq 26.1$ dB	860 MHz – 1.000 MHz
	21 dB	$\geq 24.0$ dB	1.000 MHz – 1.750 MHz
	19 dB	$\geq 22.8$ dB	1.750 MHz – 2.150 MHz
	17 dB	$\geq 20.2$ dB	2.150 MHz – 3.000 MHz
<b>Insertion Loss</b>	0.13 dB	$\leq 0.1$ dB	5 MHz – 3.000 MHz
<b>Shielding Effectiveness (Measured with CoMeT)</b>	Transfer Impedance @ 5 – 30 MHz		$\leq 0.25$ m $\Omega$ /item
	Screening Attenuation @ 30 – 1.000 MHz		$\geq 115.7$ dB
	Screening Attenuation @ 1.000 – 2.000 MHz		$\geq 120.4$ dB
	Screening Attenuation @ 2.000 – 3.000 MHz		$\geq 121.1$ dB
<b>Common Path Distortion</b>	$\leq -110$ dBc		ANSI/SCTE 109 2005
<b>Amp. Rating</b>	$\leq 8$ A @ 60 V.		
<b>Dielectric Strength</b>	$\geq 3$ kV.		IEC 61169-1
<b>Insulation Resistance</b>	$\geq 29.99$ G $\Omega$ @ 500 V.		IEC 61169-1

### Environmental

	Specification	Standard
Temperature range Operating	-40°C to +60°C	
Temperature range Installation	-5°C to +50°C	
Corrosion Protection		ASTM B 117-94

### Mechanical

	Specification	Standard
<b>Interface</b>	BNC female	IEC 61169-8
	IEC male	IEC 61169-2

### Material and Finish

	Specification	Standard
<b>Housing</b>	NiSn (NITIN) plated Brass	ASTM B605
<b>Inner conductor</b>	NiSn (NITIN) plated Brass	ASTM B605
<b>Insulator</b>	PEHD	

In order to continue to supply the best products, PPC reserves the right to change the products and specifications at any time without prior notice.

**Measurement setup:**

Nm-BNCm, **BNCFIECM-PUSHON**, 58m-IECf, Nm-58f

All results are the worst case result of measurement of 5 adaptors.

All tests are performed using instruments calibrated in accordance to our ISO 9001 certification.

Return Loss, Insertion Loss and Shielding are measured with Rohde & Schwarz ZNB8 Network Analyzer, according to IEC standards.

CPD (Common Path Distortion) are measured with hp Spectrum Analyzer hp 8591E, according to SCTE standard.

In case of over current ( $\geq 8$  A.) there is a risk for high temperature inside the adaptor, which can cause damage of the insulator.

Further test reports, technical specifications and installation instructions can be obtained on request.