



Description: High Pass Filter, Pass from 45 MHz.

## DATA SHEET

### Electrical

	Specification		Standard
<b>Frequency Range</b>	5 MHz – 1.000 MHz		
<b>Impedance</b>	75 $\Omega$ nominal		
	<b>Better Than</b>	<b>Measured – Worst case of 5 measurements</b>	
<b>Insertion Loss</b>	38.0 dB	$\geq 41.8$ dB	0.3 MHz – 35 MHz
	2.7 dB	$\leq 2.4$ dB	45 MHz
	2.0 dB	$\leq 1.1$ dB	52 MHz – 90 MHz
	1.5 dB	$\leq 0.5$ dB	90 MHz – 750 MHz
	3.0 dB	$\leq 0.7$ dB	750 MHz – 1.000 MHz
<b>Return Loss</b>		$\geq 0.01$ dB	0.3 MHz – 35 MHz
		$\geq 11.2$ dB	45 MHz – 52 MHz
		$\geq 11.4$ dB	52 MHz – 1.000 MHz
<b>Shielding Effectiveness (Measured with CoMeT)</b>	Transfer Impedance @ 5 – 30 MHz $\leq 0.75$ m $\Omega$ /item		IEC 62153-4-3
	Screening Attenuation @ 30 – 1.000 MHz $\geq 107.0$ dB		IEC 62153-4-4
	Screening Attenuation @ 1.000 – 2.000 MHz $\geq 108.2$ dB		IEC 62153-4-4
	Screening Attenuation @ 2.000 – 3.000 MHz $\geq 101.1$ dB Class: A++		IEC 62153-4-4 EN 50117
<b>Dielectric Strength</b>	$\geq 2$ KV.		IEC 61169-1
<b>Insulation Resistance</b>	$\geq 29.99$ G $\Omega$ @ 500 V.		IEC 61169-1

### Environmental

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

### Mechanical

	Specification	Standard
<b>Interface</b>	F male & female	IEC 61169-24

### Material and Finish

	Specification	Standard
<b>Housing</b>	Ni (Nickel) plated Brass	ASTM B605
<b>Inner conductor</b>	Male: Sn (Tin) plated Brass	ASTM B605
	Female: Sn (Tin) plated Brass with spring contact	
<b>O'ring</b>	EPDM	
<b>Insulator</b>	Delrin, Silicone rubber & Polypropylene	

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-Ff – **SHP3-45** – Nm-Ff.

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

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.

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

