Item Number:
SHP3-30

Praesto, February 12, 2015 – Rev. 00

Description: 30 MHz High Pass Filter.

DATA SHEET

Electrical

	Specification			Standard
Frequency Range	**5 MHz – 1.000 MHz**			
Impedance	**75 Ω nominal**			
	Better Than	**Measured** – Worst case of 5 measurements		
Insertion Loss	≥ 40 dB ≤ 3.0 dB ≤ 1.5 dB	≥ 40.3 dB ≤ 1.99 dB ≤ 0.95 dB	24.5 MHz 30 MHz 34 MHz	
Shielding Effectiveness (Measured with CoMeT)	Transfer Impedance @ 5 – 30 MHz Screening Attenuation @ 30 – 1.000 MHz Screening Attenuation @ 1.000 – 2.000 MHz Screening Attenuation @ 2.000 – 3.000 MHz Class: A++		≤ 0.16 mΩ/item ≥ 121.9 dB ≥ 123.5 dB ≥ 119.4 dB	IEC 62153-4-3 IEC 62153-4-4 IEC 62153-4-4 IEC 62153-4-4 EN 50117
Dielectric Strength	≥ 2 KV.			IEC 61169-1
Insulation Resistance	≥ 29.99 MΩ @ 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
Interface	F male & female	IEC 61169-24

Material and Finish

	Specification	Standard
Housing	Ni (Nickel) plated Brass	ASTM B605
Inner conductor	Male: Sn (Tin) plated Brass Female: Au (Gold) plated Beryllium copper	ASTM B605
O'ring	EPDM	
Insulator	Delrin & Polypropylene	

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Measurement setup:

Nm-58f, 58m-Fm – **SHP3-30** – Nm-Ff.

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

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.

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