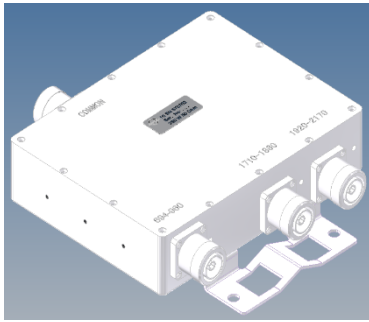
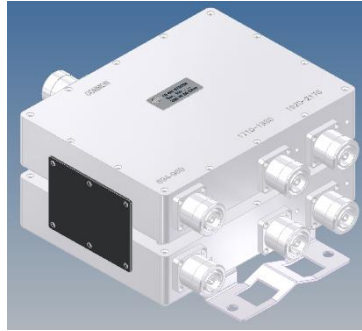


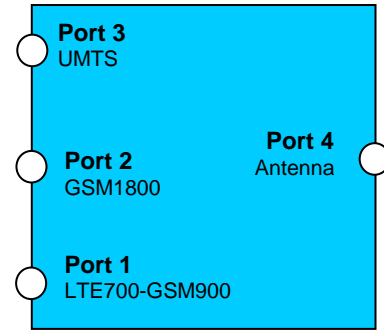
Triplexer LTE700-GSM900 / GSM1800 / UMTS



Single Unit



Double Unit



block diagram

Electrical characteristics

Part number	BN 570702	BN 570703	BN 570704	BN 570705
Version	single		double	
Frequency range Port 1 Port 2 Port 3	694 – 960 MHz (LTE700-GSM900) 1710 – 1880 MHz (GSM1800) 1920 – 2170 MHz (UMTS)			
Insertion loss Port 1 → Port 4 Port 2 → Port 4 Port 3 → Port 4	≤ 0.20 dB ≤ 0.35 dB ≤ 0.45 dB			
VSWR	≤ 1.22			
Isolation Port 1 ↔ Port 2 ↔ Port 3	≥ 50 dB			
DC by-pass	all inputs → output (unidirectional)	Port 3 → Port 4 (unidirectional)	all inputs → output (unidirectional)	Port 3 → Port 4 (unidirectional)
	max. 1A per input max. 60V DC (AISG Standard, 2.0, § 6.4)			
Intermodulation products 3 <sup>rd</sup> order @ 2 x 20 W	≤ -155 dBc   typical ≤ -160 dBc			
Surge Protection	3 kA (10/350 μs)			
Impedance	50 Ohm			
Power Rating	250 W (CW) max. per input port			

Mechanical characteristics

Connectors	7-16 female		
Dimensions, approx. (Excluding brackets and connectors)	212 x 52 x 162 mm (Width x Height x Depth)	212 x 112 x 162 mm (Width x Height x Depth)	
Weight, approx.	3.3 kg	6.6 kg	
Wall / Mast mounting	Part of delivery		

Environmental conditions

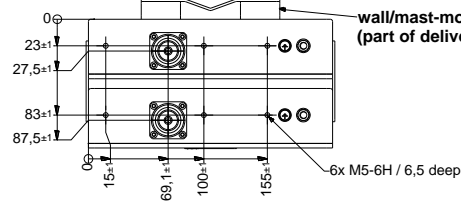
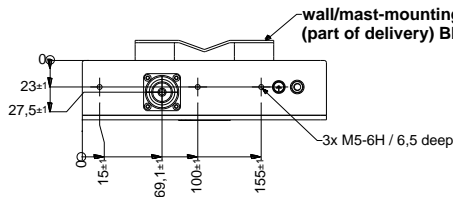
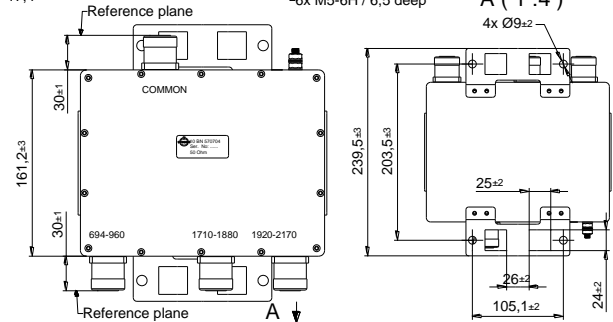
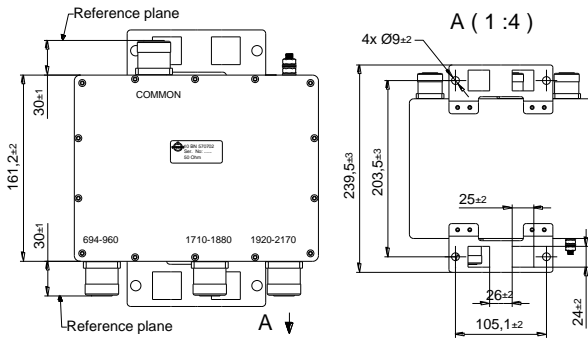
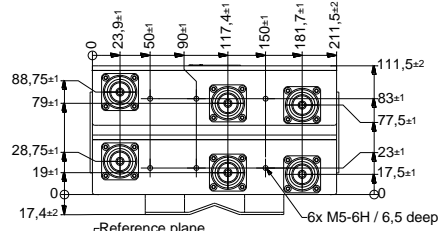
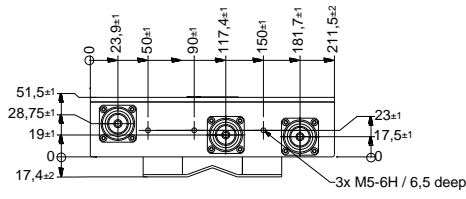
Class. of environmental conditions	ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-4 Class 4.1E
Degree of protection	IP 65 (Outdoor)
Operation Ambient temperature range	-40 °C to +60 °C
Storage Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

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Outline (all dimensions in millimeter)



Standard:

7-16 female (50 ohms): CECC 22190, IEC 61169-4

modifications reserved

Standard:

7-16 female (50 ohms): CECC 22190, IEC 61169-4

modifications reserved

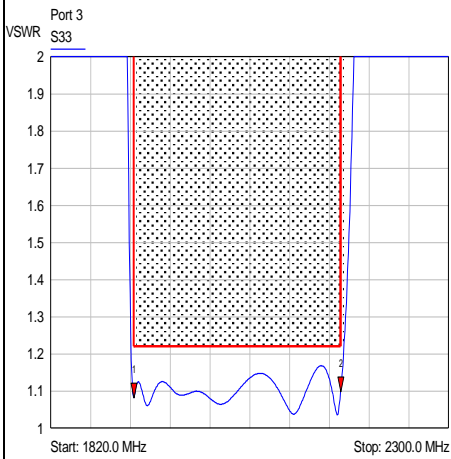
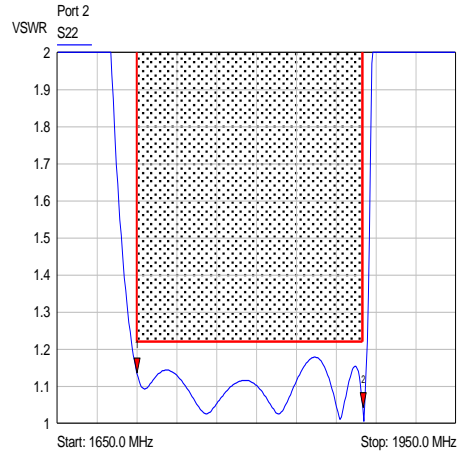
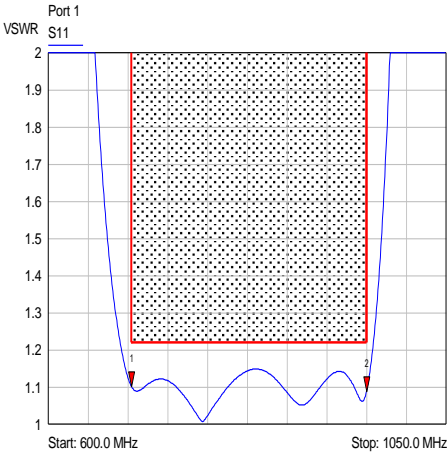
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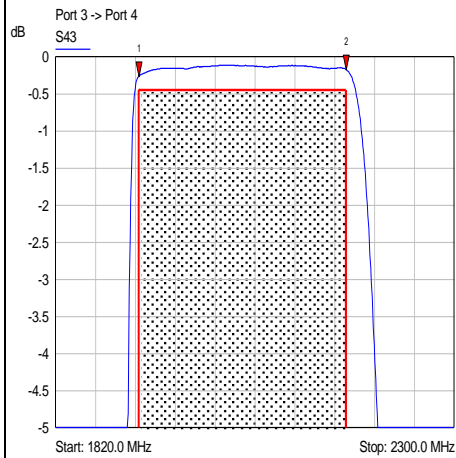
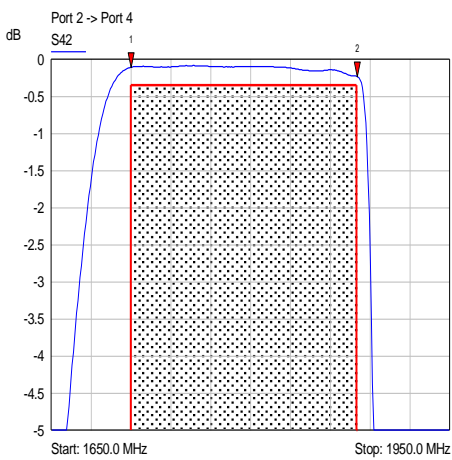
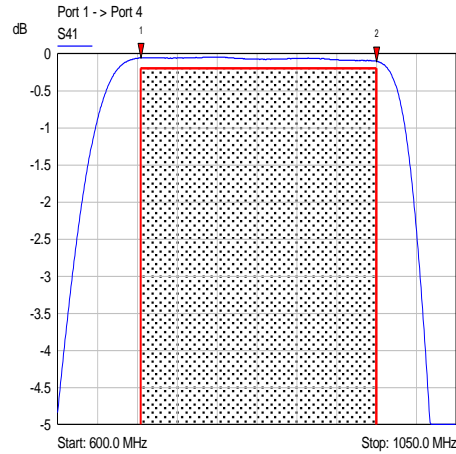
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Measurement:

VSWR:



Insertion Loss:

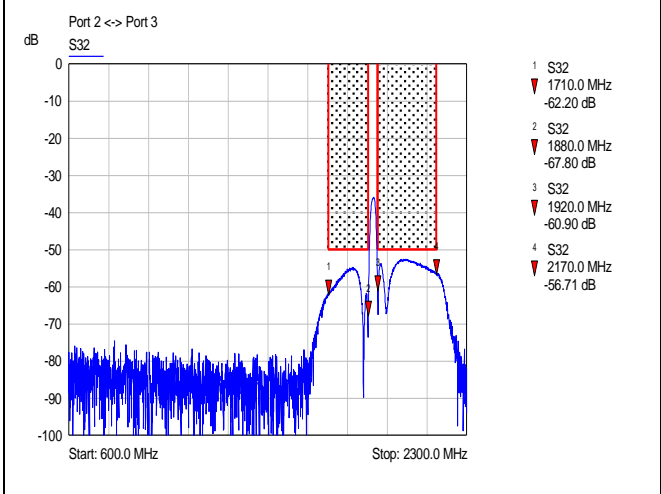
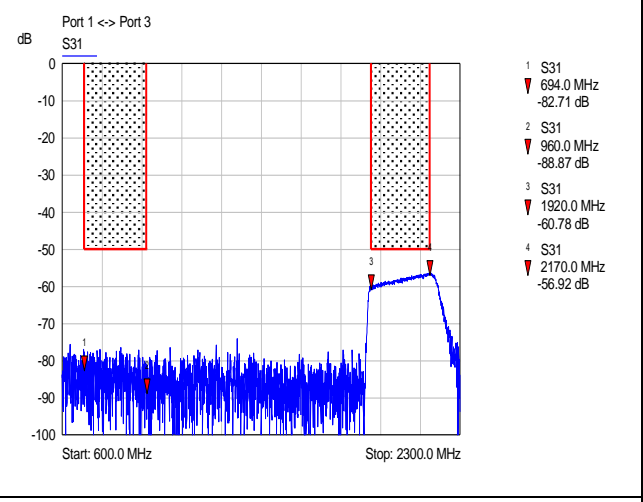
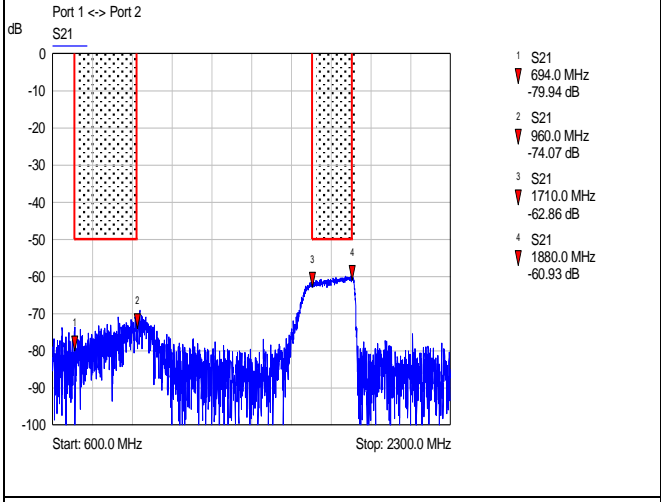


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Isolation:



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