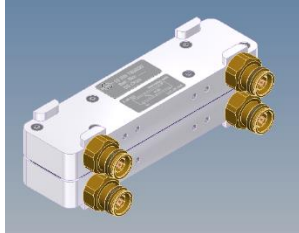
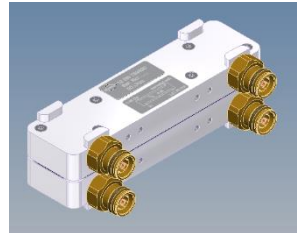


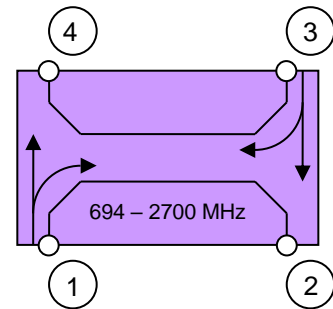
Coupler 694 - 2700 MHz



BN 753391



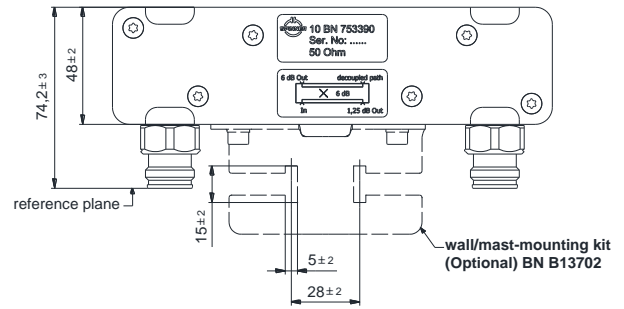
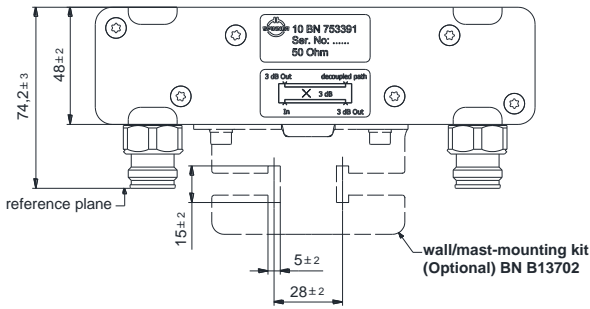
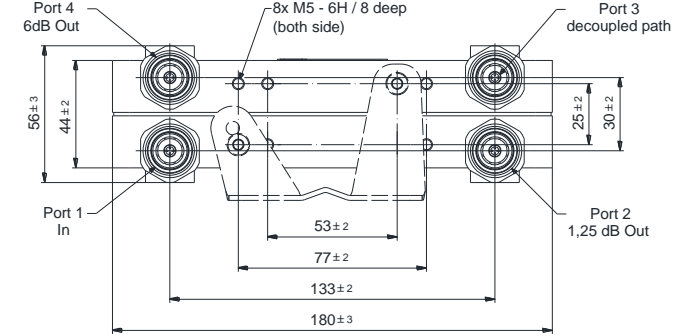
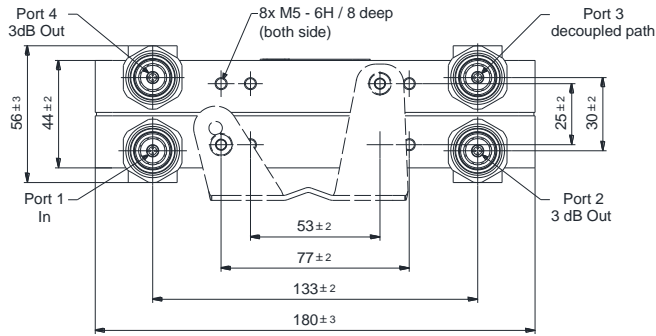
BN 753390



block diagram

Part number	BN 753391	BN 753390
Connectors	4.3 - 10 socket (50 Ohms)	
Frequency range	694 - 2700 MHz	
Coupling attenuation (Port 1 → Port 4, Port 3 → Port 2)	694 - 800 MHz 800 - 2500 MHz 2500 - 2700 MHz	3 dB ± 0.60 dB 3 dB ± 0.25 dB 3 dB ± 0.80 dB
Isolation (Port 1 → Port 3, Port 3 → Port 1)	694 - 2200 MHz 2200 - 2500 MHz 2500 - 2700 MHz	≥ 32 dB; typ. ≥ 35 dB ≥ 32 dB; typ. ≥ 35 dB ≥ 27 dB; typ. ≥ 30 dB
VSWR	694 - 2200 MHz 2200 - 2500 MHz 2500 - 2700 MHz	≤ 1.08; typ. ≤ 1.06 ≤ 1.08; typ. ≤ 1.06 ≤ 1.15; typ. ≤ 1.10
Test voltage	500 V	
Power rating	≤ 500 W	
Passive intermodulation (IM3) @ 2 x 20 W	≤ -160 dBc; typ. ≤ -165 dBc	
Special feature	DC path Port 1 → Port 2 and Port 3 → Port 4 (max. 6.5 A AISG conform)	
Degree of protection mated / 1bar, 1h, ≤18°C	IP 68	
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	
Operation Ambient temperature range Relative humidity, max.	-45 °C ... +55 °C 95% (non-condensing)	
Storage Ambient temperature range Relative humidity, max.	-55 °C ... +85 °C 95% (non-condensing)	
Wall / Mast mounting	to be ordered separately under BN B13702	
Weight	~ 1.1 kg	

Dimensions:



Standard:

4.3-10 female (50 ohms): IEC 61169-54

modifications reserved

BN 753391

Standard:

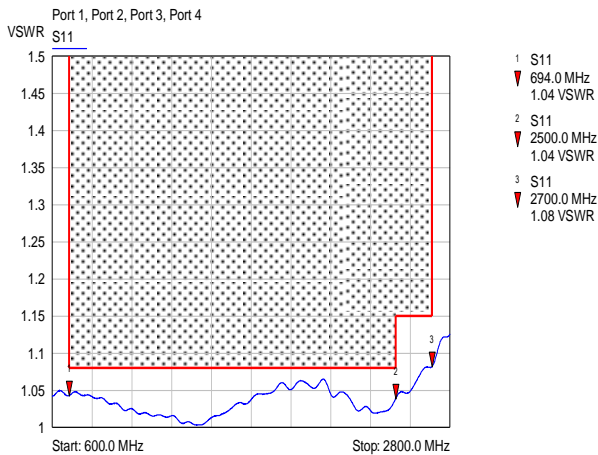
4.3-10 female (50 ohms): IEC 61169-54

modifications reserved

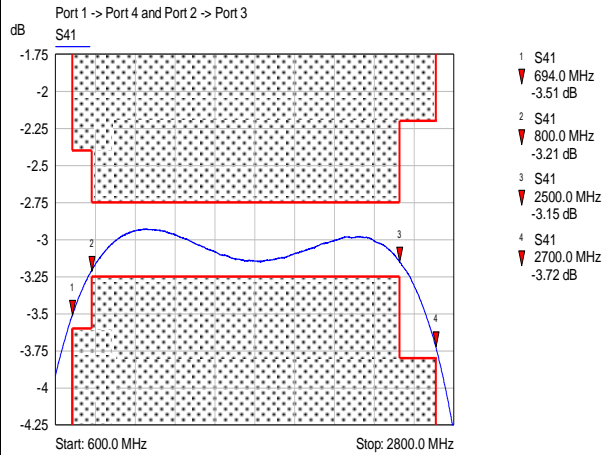
BN 753390

Measurements:

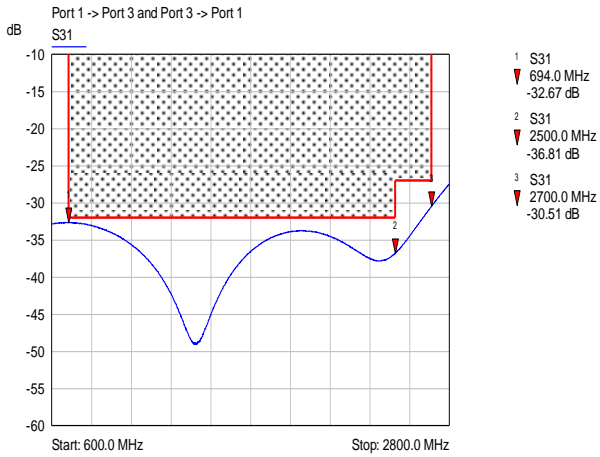
VSWR: BN 753391



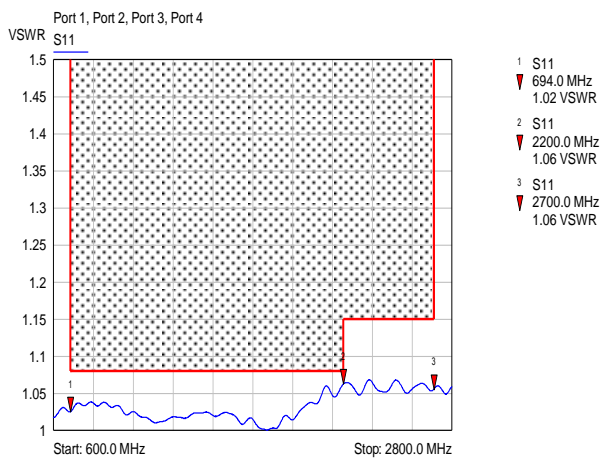
Coupling attenuation: BN 753391



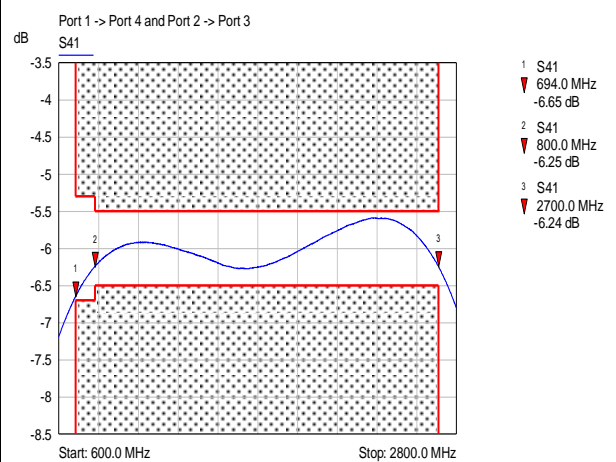
Isolation: BN 753391



VSWR: BN 753390



Coupling attenuation: BN 753390



Isolation: BN 753390

