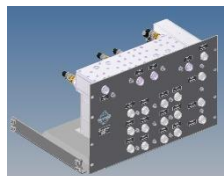
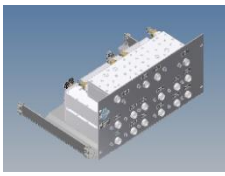


Multiband Combining System

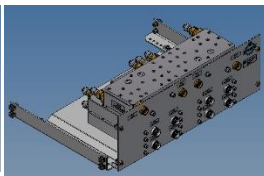
with 4 output ports



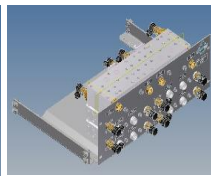
BN 572663



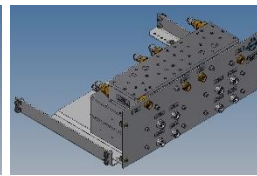
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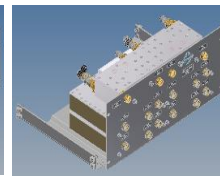
BN 572685



BN 572687



BN 572688



BN 572689

Electrical characteristics

Part number	BN 572663	BN 572679	BN 572685	BN 572687	BN 572688	BN 572689
Input*: output	16 : 4	12 : 4	8 : 4	8 : 4	8 : 4	12 : 4
Frequency range						
Band 1	694-960 MHz	1710-1880 MHz	694-960 MHz	694-960 &	1710-1880 MHz	694-960 MHz
Band 2	1710-1880 MHz	1920-2170 MHz	1710-2170 MHz	1427-2170 MHz	1920-2170 MHz	1710-1880 MHz
Band 3	1920-2170 MHz	2500-2690 MHz		2496-2690 MHz		1920-2170 MHz
Band 4	2500-2690 MHz					
Insertion loss (* splitting losses)	≤ 0.75 dB + 6.1 dB ± 0.9 dB*	≤ 0.6 dB + 6.1 dB ± 0.9 dB*	≤ 0.35 dB + 6.1 dB ± 0.9 dB*	≤ 0.55 dB + 6.1 dB ± 0.9 dB*	≤ 0.65 dB + 6.1 dB ± 0.9 dB*	≤ 0.65 dB + 6.1 dB ± 0.9 dB*
VSWR	≤ 1.4 (typ. 1.25)					
Isolation						
Interband	≥ 50 dB					
Intraband	≥ 30 dB					
IM-value 3rd order @ 2 x 20W	≤ -155 dBc typical: ≤ -160 dBc					
Impedance	50 Ohm					
Power rating (each input port)	≤ 125 W	≤ 100 W	≤ 200 W	≤ 200 W	≤ 200 W	≤ 130 W

Mechanical characteristics

Connectors	4.3-10 female					
Dimensions, approx. (Including brackets and connectors)	See drawing					
Weight, approx.	26.4 kg	25 kg	15 kg	21 kg	23 kg	24 kg
Wall / Mast mounting	Wall mounting or 19" Rack mounting included					

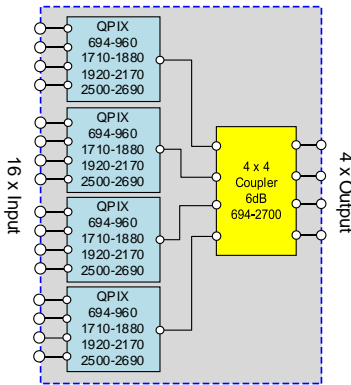
Environmental conditions

Class. of environmental conditions	ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-3 Class 3.3
Degree of protection	indoor use (all components IP65)
Operation Ambient temperature range	-40 °C to +65 °C
Storage Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

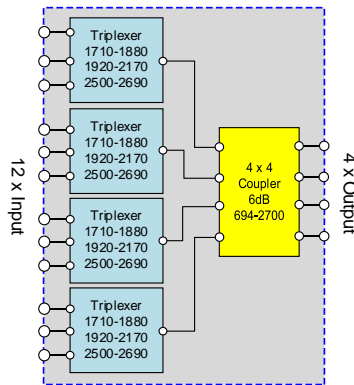
*Unused input ports must be terminated with 5W standard load 531726 (to be ordered separately).

Multiband Combining System

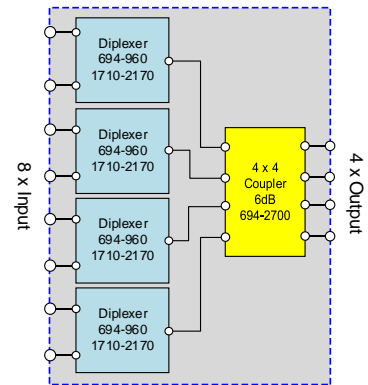
with 4 output ports



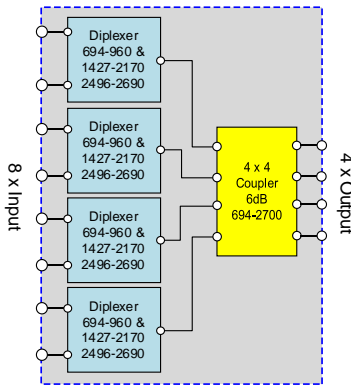
BN 572663



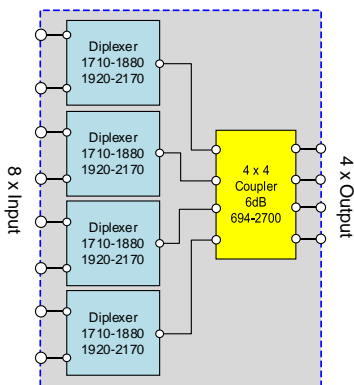
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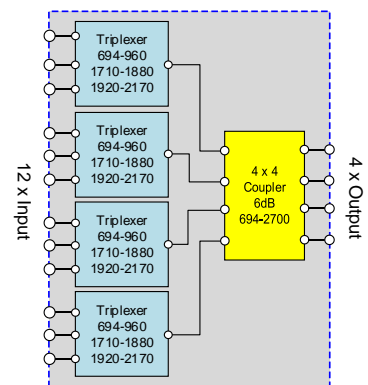
BN 572685



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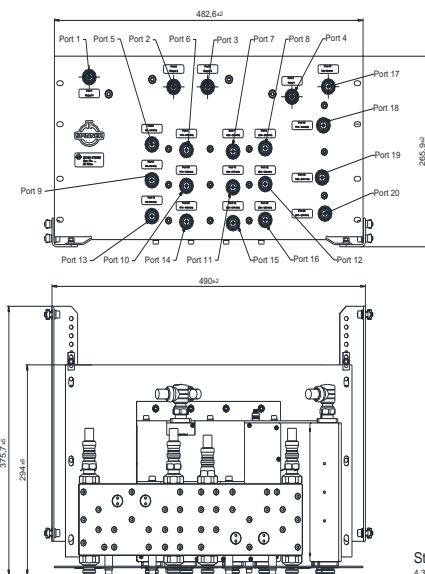


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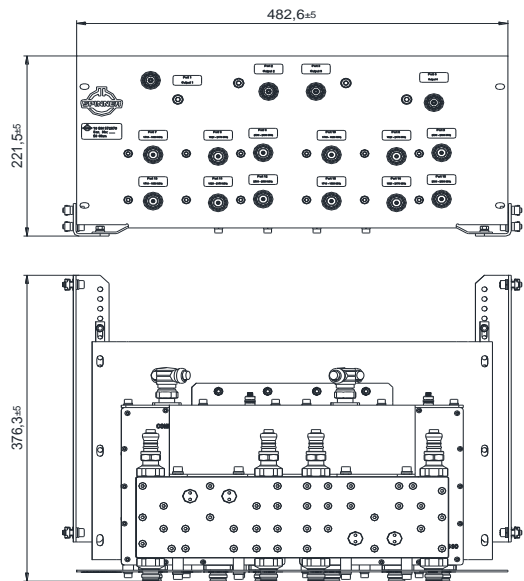


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Outline (all dimensions in millimeter)



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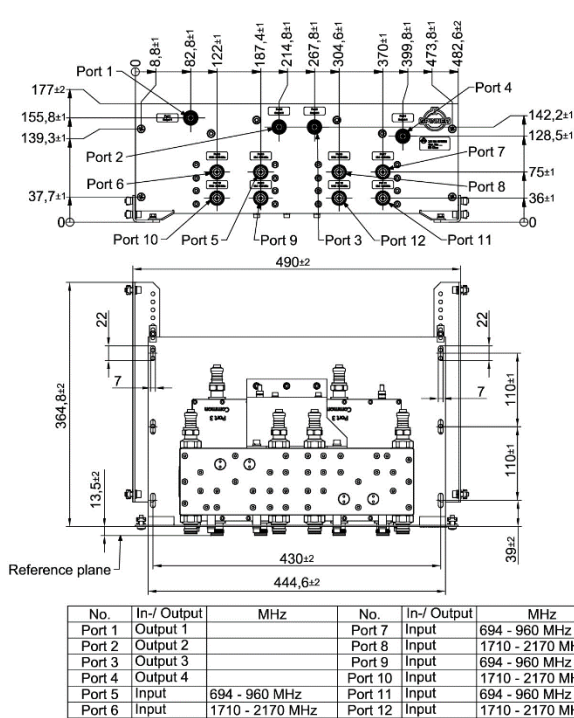
BN 572679

Standard:
4.3-10 female (50 ohms) IEC 61169-54 Modification reserved!

Standard:
4.3-10 female (50 ohms) IEC 61169-54 modifications reserved!

Multiband Combining System

with 4 output ports

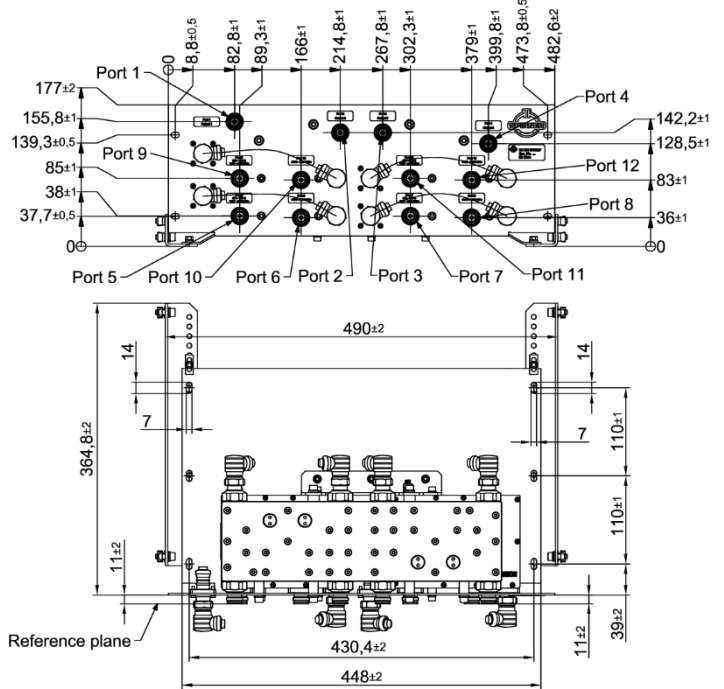


Standard:

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

Modification reserved!

BN 572685

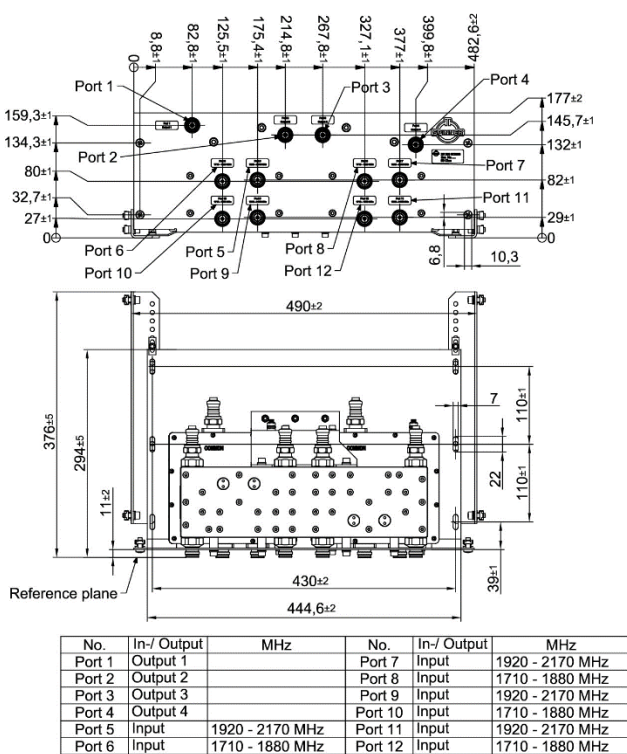


Standard:

4.3-10 female (50 ohms): IEC 61169-54; 62299

Modification reserved!

BN 572687

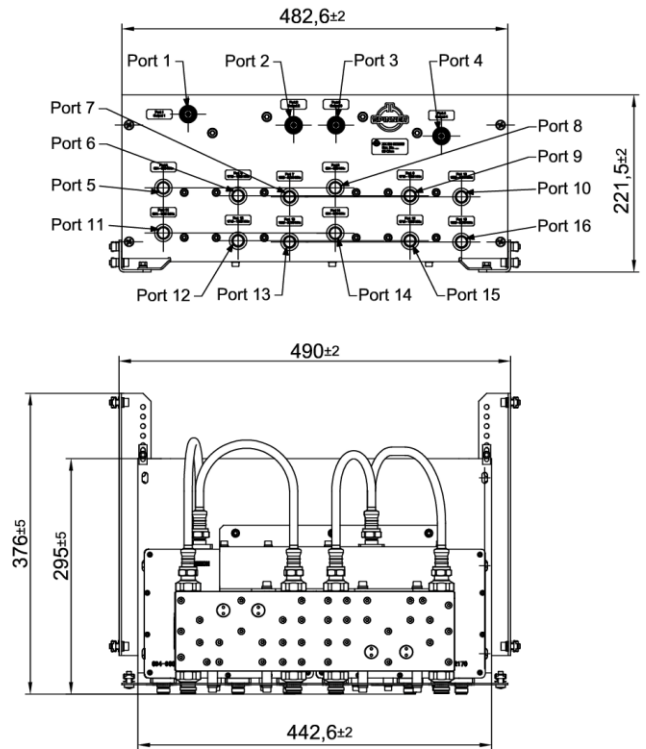


Standard:

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

Modification reserved!

BN 572688



Standard:

4.3-10 female (50 ohms): IEC 61169-54; 62299

Modification reserved!

BN 572689