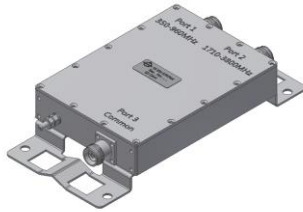
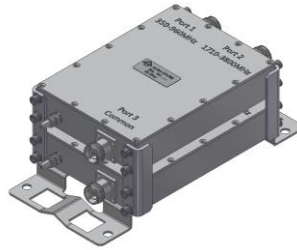


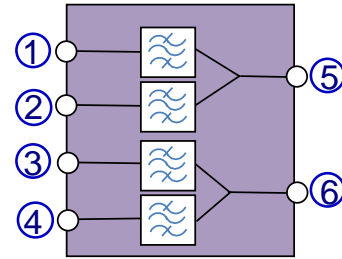
Diplexer 350 - 960 MHz / 1710 - 3800 MHz



Single Unit



Double Units



block diagram

Electrical characteristics

Part number	BN 570744	BN 570785
Version	Single	Double
Frequency range Port 1,3 Port 2,4	350 - 960 MHz 1710 - 3800 MHz	
Insertion loss	≤ 0.5 dB (typ. 0.3 dB)	
VSWR	≤ 1.25 (typ. 1.2)	
Isolation Port 1 ↔ Port 2 Port 3 ↔ Port 4	≥ 50 dB (typ. 60 dB)	
Passive intermodulation (IM3), 3rd order @ 2 x 20W	≤ -155 dBc   typical: ≤ -160 dBc	
DC-by-pass	Only on port 1 ↔ Port 5 & port 3 ↔ Port 6 (bidirectional) (max. 1A per input max. 60V DC (AISG Standard, 2.0, § 6.4))	
Impedance	50 Ohm	
Power Rating	≤ 250 W CW (350 - 960 MHz) & Port 1,3 ≤ 300 W CW (1710 - 2700 MHz) & Port 2,4 ≤ 250 W CW (2700 - 3800 MHz) & Port 2,4	

Mechanical characteristics

Connectors	4.3-10 female	
Dimensions, approx. (Without brackets and connectors)	130 x 181.5 x 35 mm (Width x Height x Depth)	130 x 181.5 x 80 mm (Width x Height x Depth)
Paint color	Grey	
Weight, approx.	2.0 kg	4.0 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 67
Operation Ambient temperature range	-20 °C to +55 °C
Storage Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

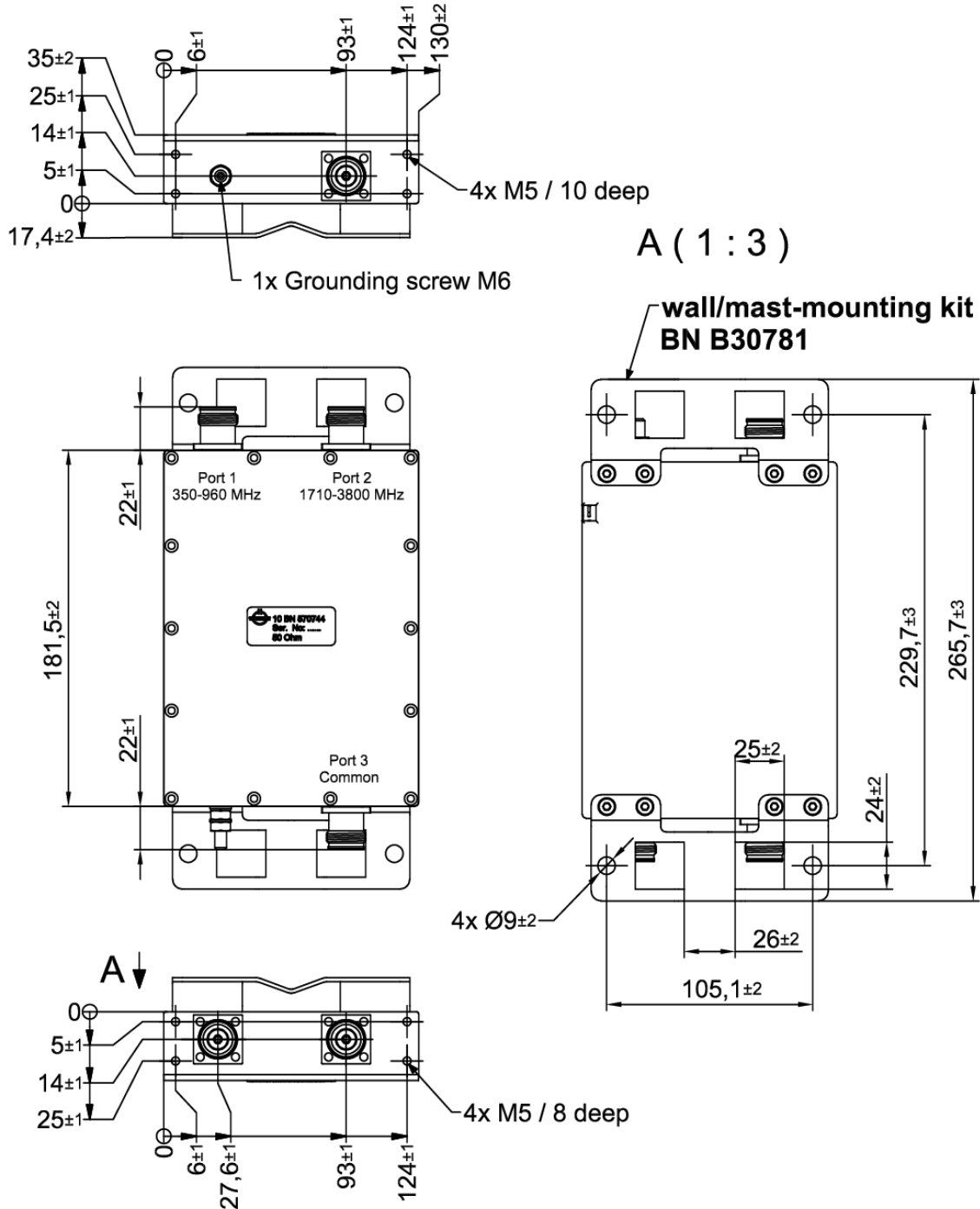
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Template TD-00002Y

Diplexer 350 - 960 MHz / 1710 - 3800 MHz

Outline (all dimensions in millimeter)

Single unit



Standard:

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

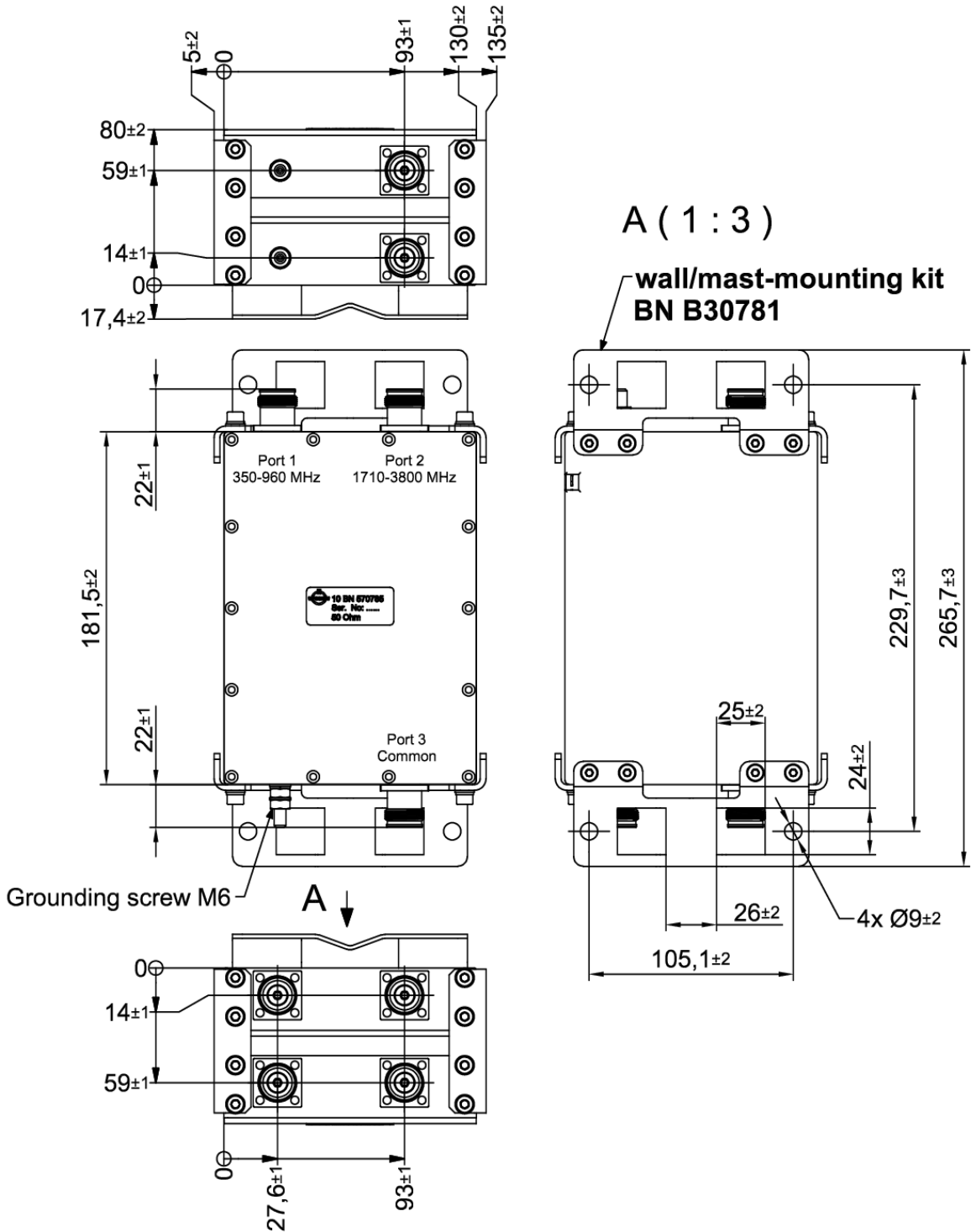
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Template TD-00002Y

Diplexer 350 - 960 MHz / 1710 - 3800 MHz

Double units



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Template TD-00002Y

**Standard:**

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

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