

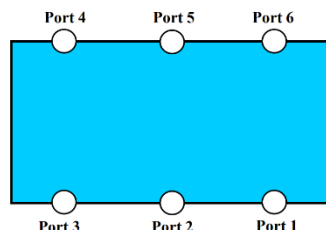
DATASHEET

5G/UHF 380 – 3800 MHz 3:3 HYBRID COMBINER 4.3-10

SPINNER BN570754, -160dBc, 28dB ISOLATION



Block Diagram



ELECTRICAL SPECIFICATIONS

Insertion Loss (including nominal 4.8 dB splitting losses)	5.0 dB \pm 1.2 dB
Frequency Range	380 – 3800 MHz
Isolation	\geq 28 dB typ. 30 dB
Impedance	50 Ohm
Special Feature	DC path Port 1 \rightarrow Port 6, Port 2 \rightarrow Port 4, Port 3 \rightarrow Port 5 (max. 6.5 A AISG2 conform)
Test Voltage	500 V
Passive Intermodulation (IM3), 3 rd order @ 2 x 20 W	-160 dBc max. / -165 dBc typ.
VSWR	\leq 1.25
Power Rating	500W (CW) max. per port

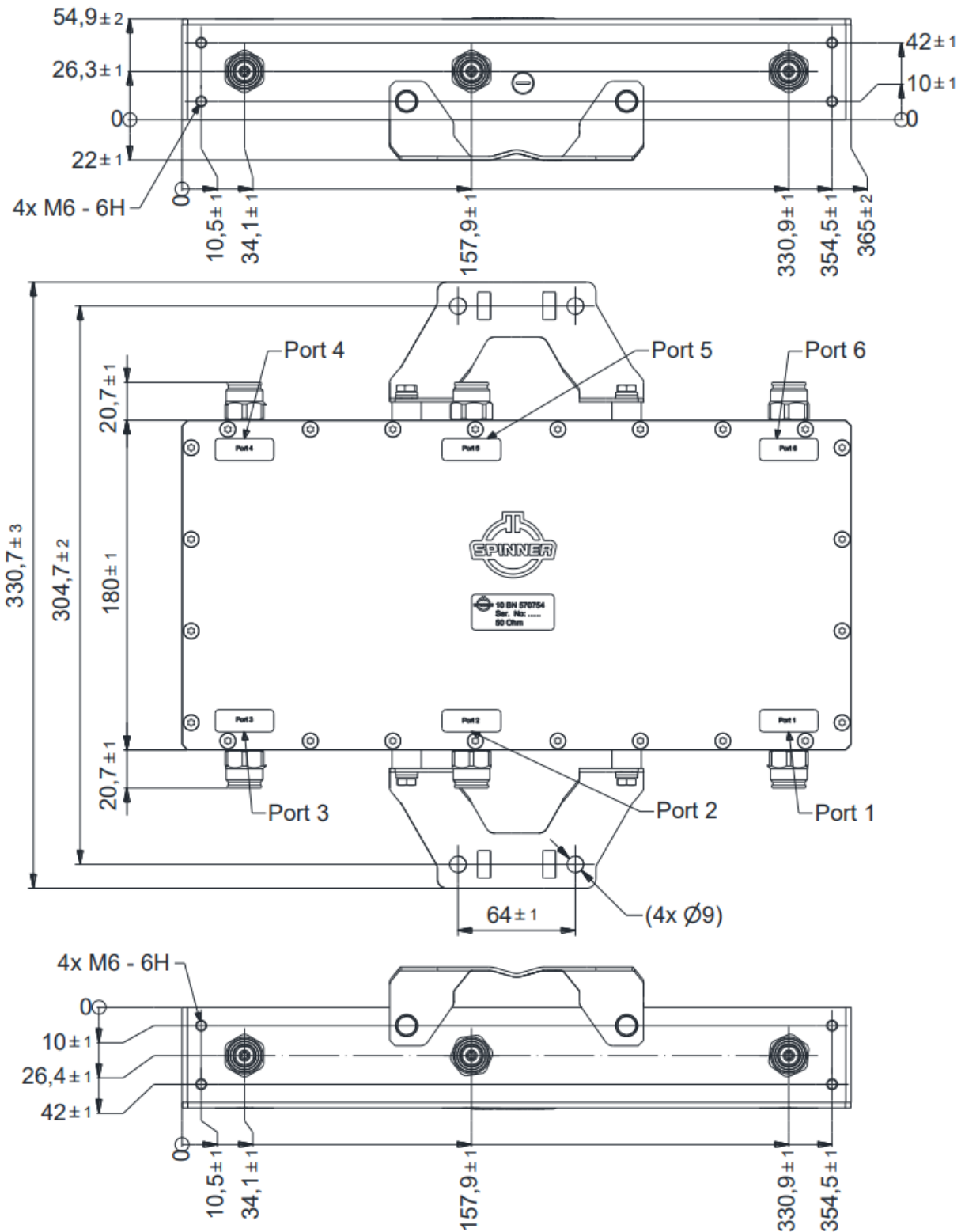
MECHANICAL CHARACTERISTICS

Connectors Port 1 – 3 Port 4 – 6	4.3-10 Female Input Ports Output Ports
Dimensions, approx.	365 mm x 331 mm x 77 mm (Width x Height x Depth)
Weight, approx.	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 +55 °C
Storage Ambient Temperature Range	-40 °C to +85 °C
Relative Humidity, max.	95% (non-considering)

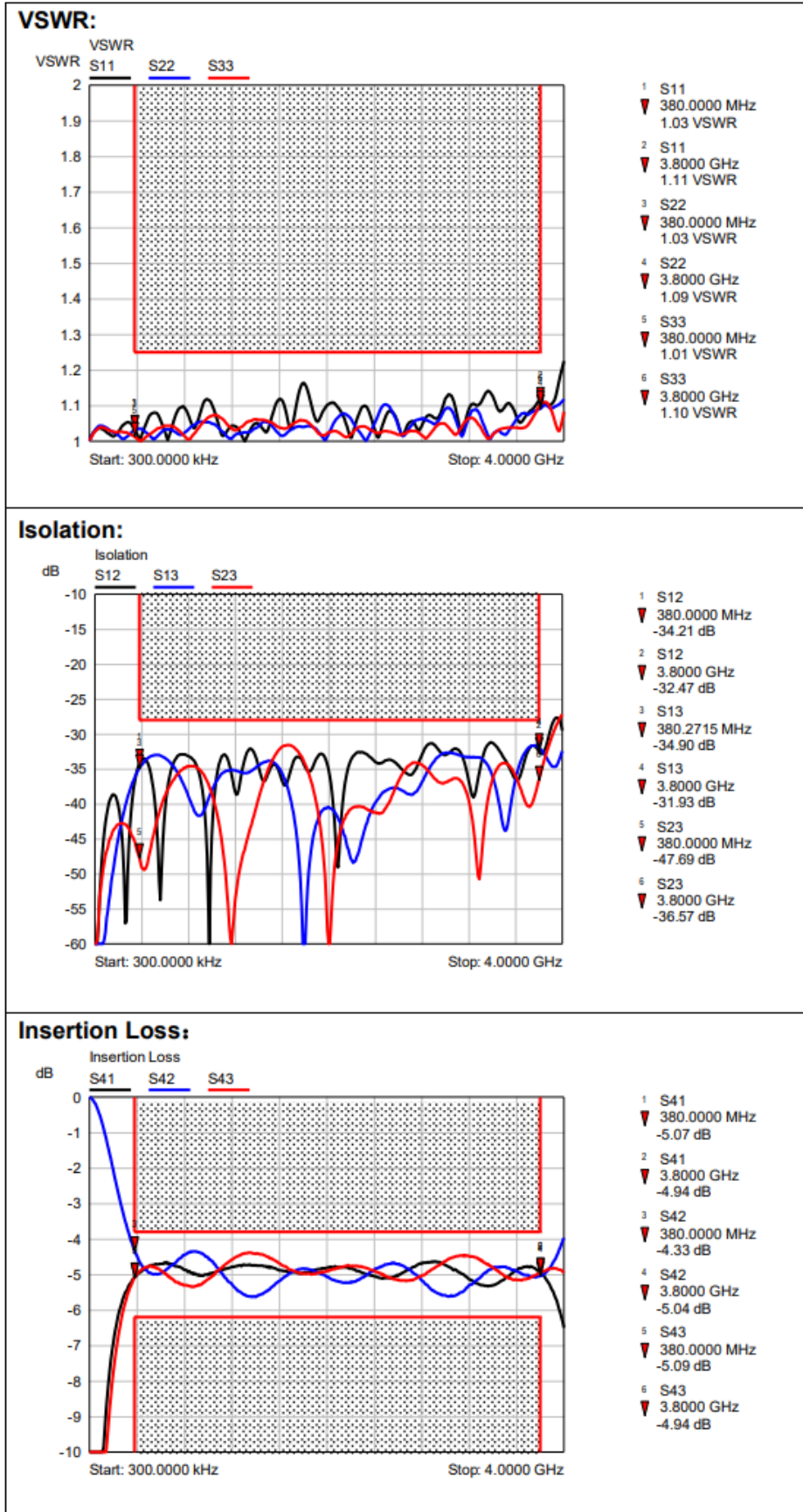
OUTLINE



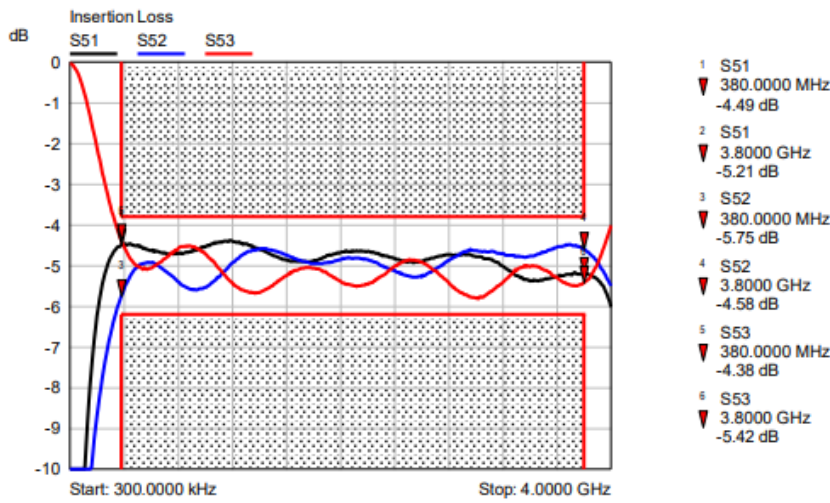
STANDARD

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

MEASUREMENTS



Insertion Loss:

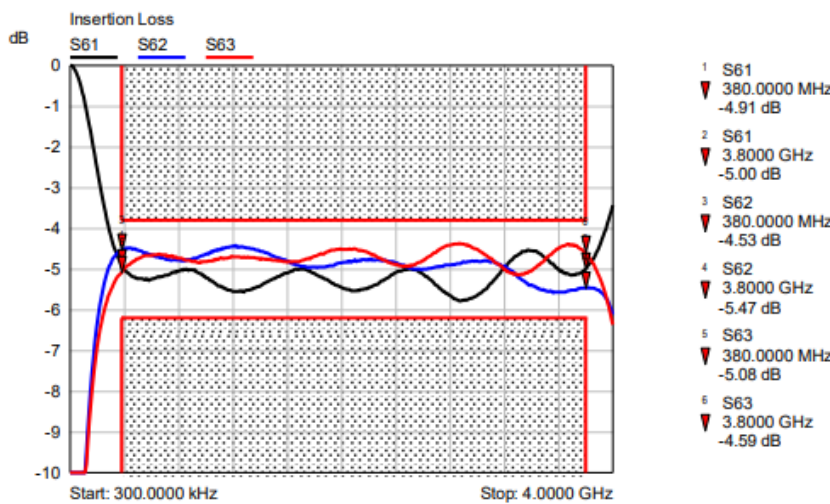


— typical for: S51

— typical for: S52

— typical for: S53

Insertion Loss:



— typical for: S61

— typical for: S62

— typical for: S63