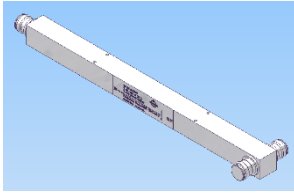
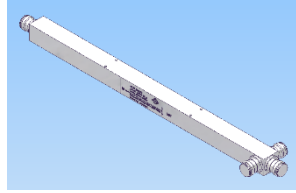


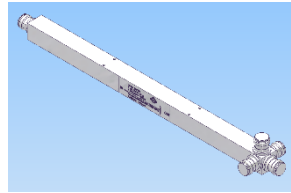
Cavity 2, 3, 4-Way- power splitter



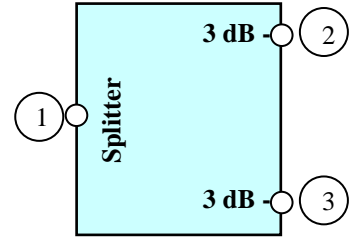
BN 818269



BN 818273



BN 818274



Block diagram
use 818269 as sample

Electrical characteristics

| Part number | BN 818269 | BN 818273 | BN 818274 |
|--|-------------------------------|---------------------|---------------------------|
| Splitting ratio | 1: 0.5: 0.5 | 1: 0.33: 0.33: 0.33 | 1: 0.25: 0.25: 0.25: 0.25 |
| Frequency range: | 350 – 3800 MHz | | |
| Insertion loss: | ≤ 3.3 dB | ≤ 5.2 dB | ≤ 6.6 dB |
| VSWR | ≤ 1.25 (Port 1) | ≤ 1.25 (Port 1) | ≤ 1.35 (Port 1) |
| Power Rating: | ≤ 400 W CW | | |
| Passive intermodulation (IM3), 3rd order @ 2 x 20W | -155 dBc max. / -160 dBc typ. | | |
| Impedance | 50 Ohm | | |

Mechanical characteristics

| | | | |
|----------------------|--|--------------|--------------|
| Connectors | 4.3-10 female | | |
| Dimensions, approx. | See drawings | See drawings | See drawings |
| Weight, approx. | 0.9 kg | 1.0 kg | 1.1 kg |
| Color | Grey (RAL 7047) | | |
| Wall / Mast mounting | to be ordered separately under BN B30342 | | |

Environmental conditions

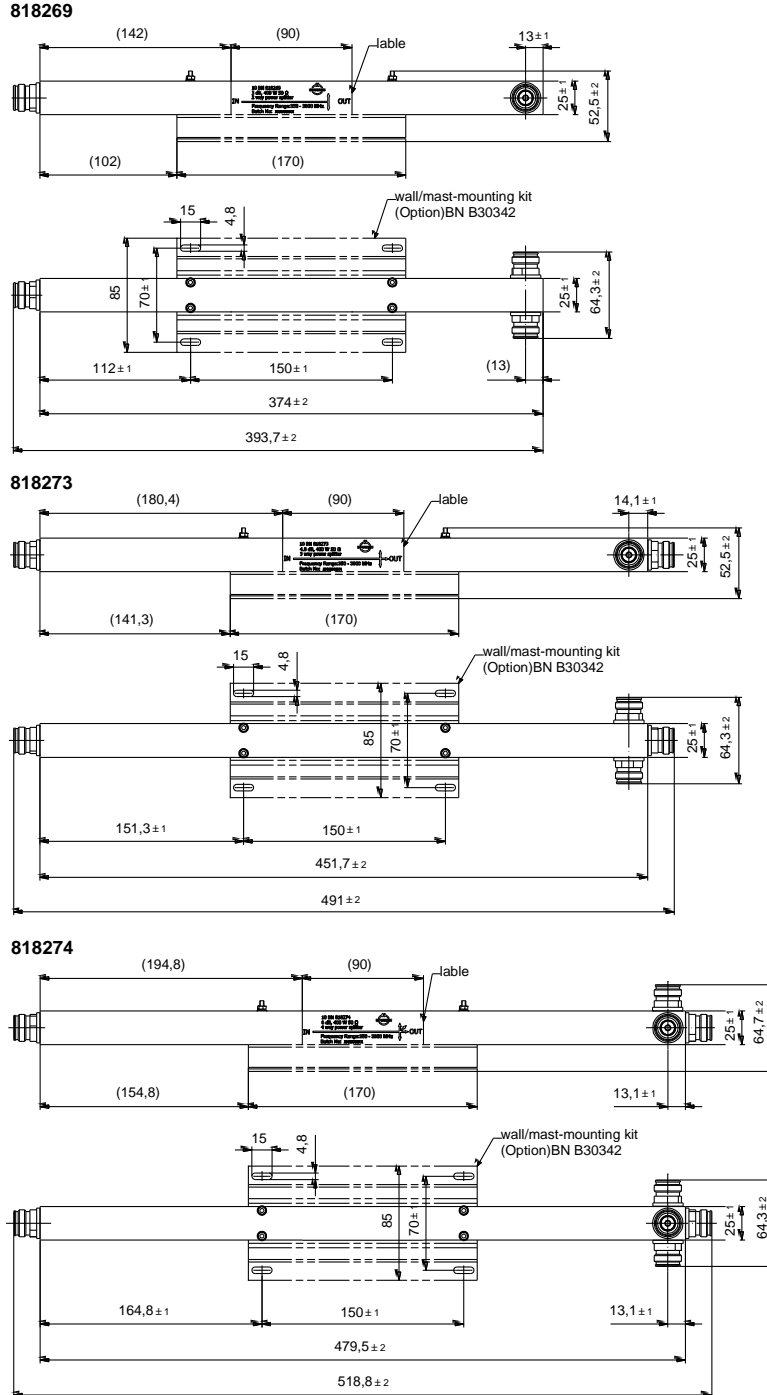
| | |
|-------------------------------------|---|
| Class. of environmental conditions | ETSI EN 300019-1-1 Class 1.2 ETSI EN 300019-1-2 Class 2.3 ETSI EN 300019-1-3 Class 4.1E |
| Degree of protection | IP 65 |
| Operation Ambient temperature range | -30 °C to +65 °C |
| Storage Ambient temperature range | -40 °C to +85 °C |
| Relative humidity, max. | 95% (non-condensing) |

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Cavity 2, 3, 4-Way- power splitter

Outline (all dimensions in millimeter)



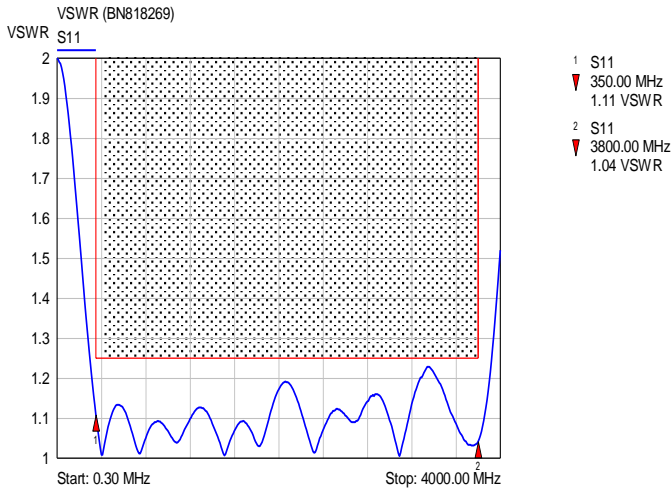
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Template TD-00002Y

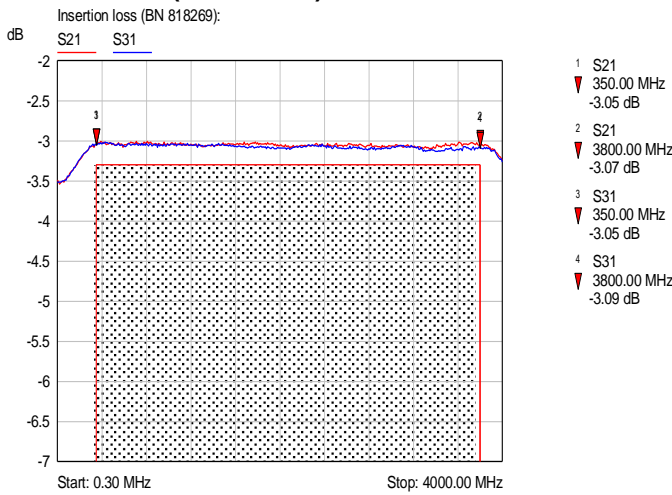
Cavity 2, 3, 4-Way- power splitter

Measurements:

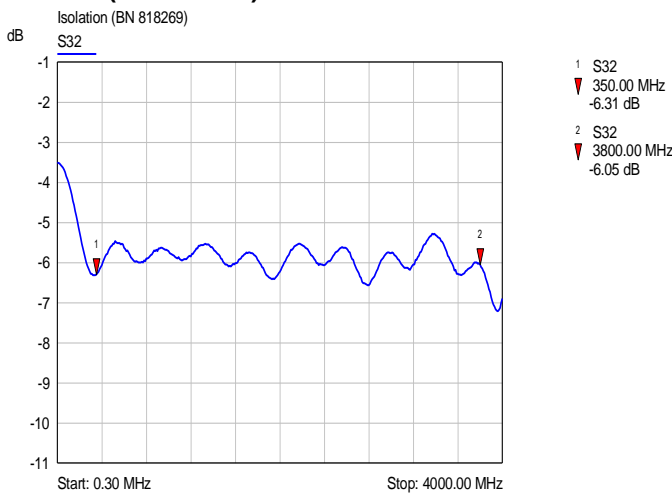
VSWR (BN 818269):



Insertion loss (BN 818269):



Isolation (BN 818269):

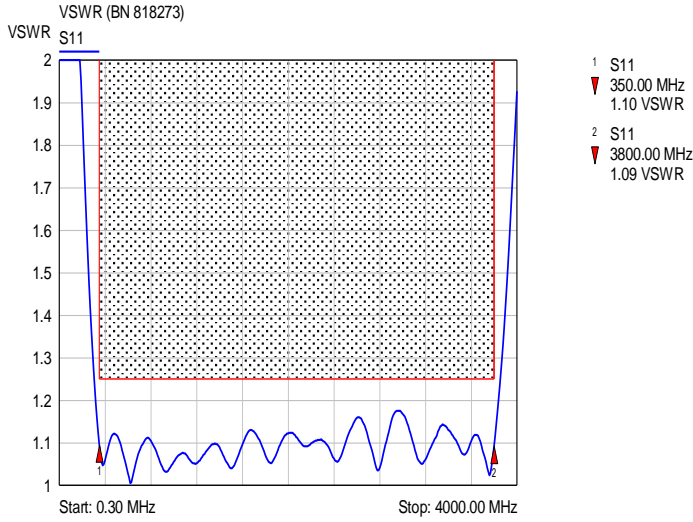


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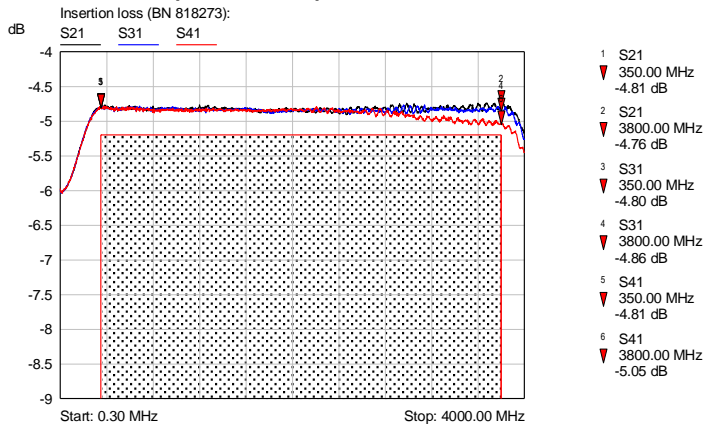
Template TD-00002Y

Cavity 2, 3, 4-Way- power splitter

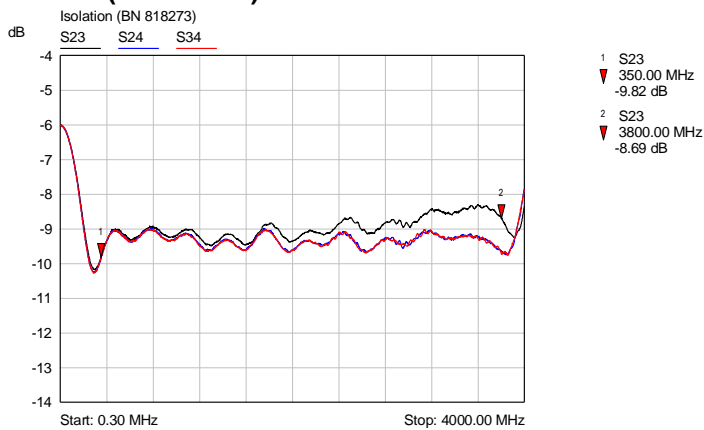
VSWR (BN 818273):



Insertion loss (BN 818273):



Isolation (BN 818273):

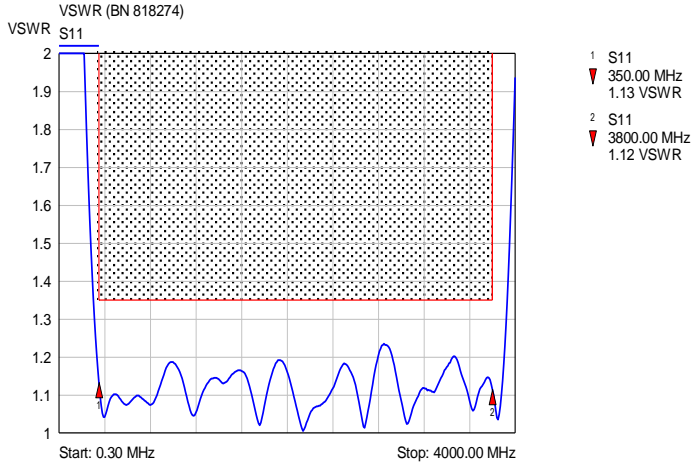


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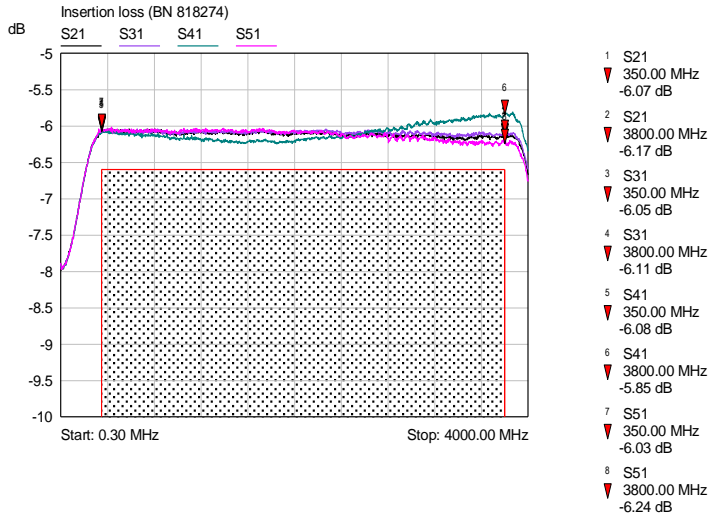
Template TD-00002Y

Cavity 2, 3, 4-Way- power splitter

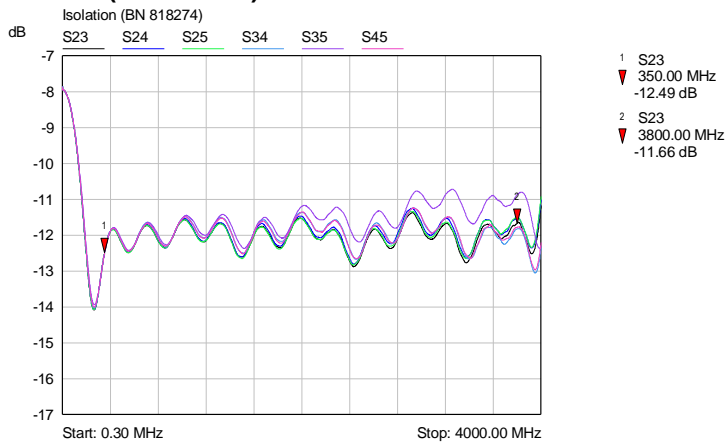
VSWR (BN 818274):



Insertion loss (BN 818274):



Isolation (BN 818274):



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