

4-Way Power Divider/Combiner

FPPD4-500-6000-30

4-Way, 0.5~6GHz

Features:

- Small Size
- Low Insertion Loss

Applications:

- Amplifiers
- Mixers
- Antennas
- Laboratory Test

Electrical

Frequency:	0.5~6GHz
Insertion Loss:	2dB max.
Input VSWR:	1.35 max.
Output VSWR:	1.25 max.
Isolation:	20dB min.
Amplitude Balance:	±0.2dB max.
Phase Balance:	±2° max.
Power @SUM Port:	30W max. as divider 2W max. as combiner
Impedance:	50Ω

Mechanical

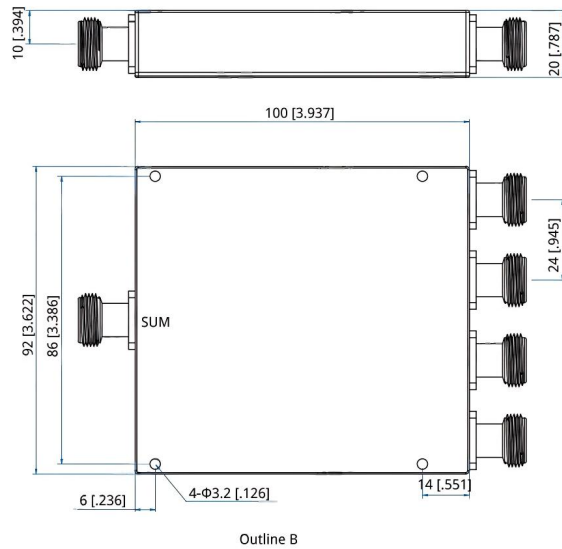
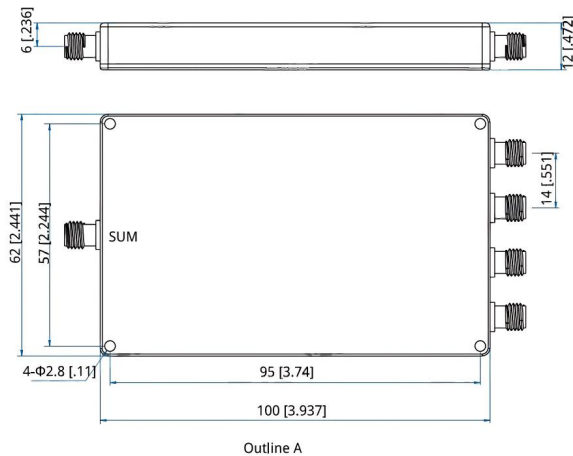
Connectors *1:	SMA Female N Female TNC Female SMP Male
Mounting:	4-Φ2.8mm through-hole(SMA) 4-Φ3.2mm through-hole(N)

[1] Female connectors can be replaced with male connectors on request.

Environmental

Operation Temperature: -35~+75°C

Construction



Note(s)

Unit: mm [in]

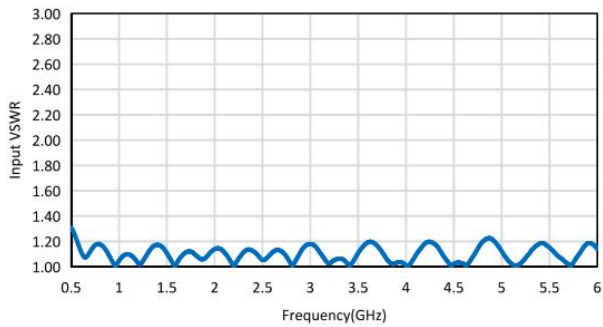
Tolerance: ±0.5mm [±0.02in]



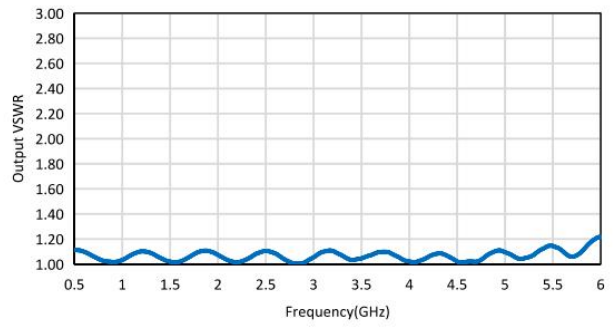
Empowering RF Innovations

Performance Curves (SMA)

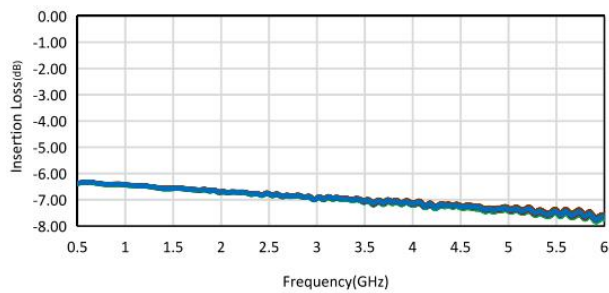
Input VSWR vs. Frequency



Output VSWR vs. Frequency

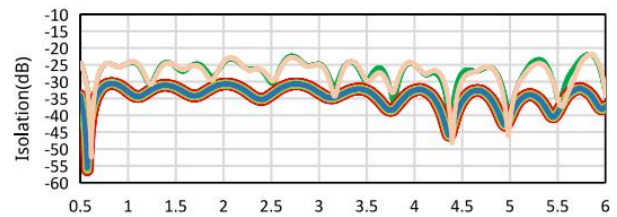


Insertion Loss vs. Frequency



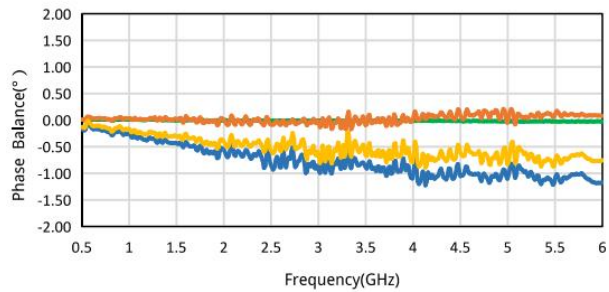
Port1 Port2 Port3 Port4

Isolation vs. Frequency



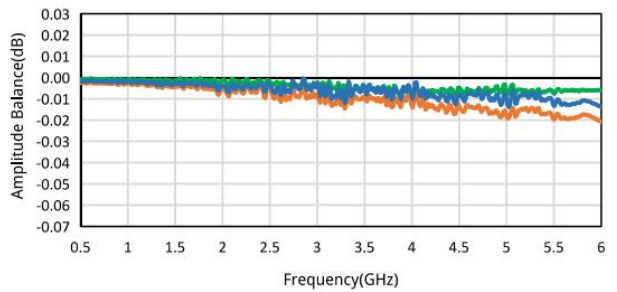
Frequency(GHz)
port1-2 port1-3 port1-4
port2-3 port2-4 port3-4

Phase Balance vs. Frequency



Port1 Port2 Port3 Port4

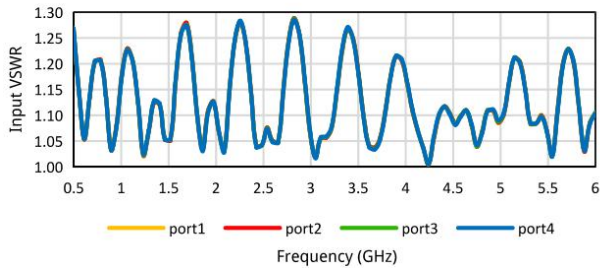
Amplitude Balance vs. Frequency



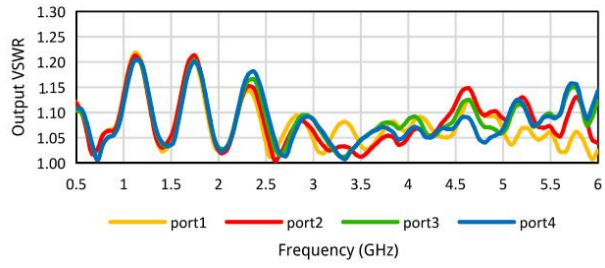
Port2 Port3 Port4

Performance Curves (N)

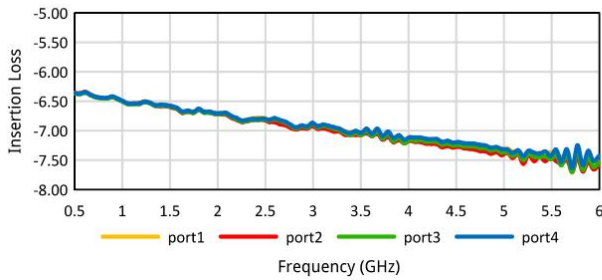
Input VSWR vs. Frequency



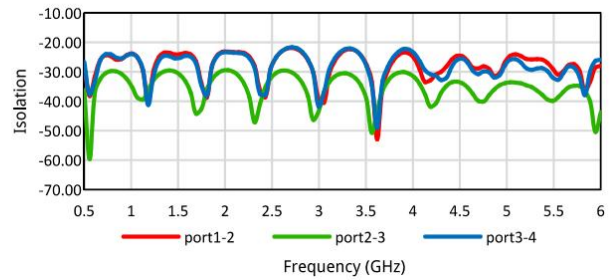
Output VSWR vs. Frequency



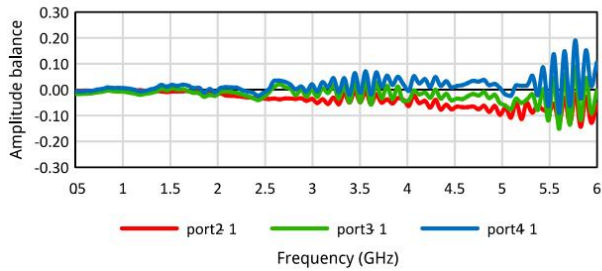
Insertion Loss vs. Frequency



Isolation vs. Frequency



Amplitude balance vs. Frequency



Phase balance vs. Frequency

