

0°/180° Power Combiner / Splitter

Model: NSN-5985-01-036-2651

Product Features

- Military Approved Design
- Excellent Phase and Amplitude Balance
- Full-Octave Performance
- High Isolation
- Configurable for 0°/180° Operation



Description and Application

This product is designed, manufactured and tested to comply with the applicable military standards. The product is a four port two-way power combiner/divider providing either an in-phase (0°) or out-of-phase (180°) difference between the two output ports. For in-phase operation, the input signal is applied to the "H" port and the "E" port is terminated to an external 50 ohm load. For out-of-phase operation, the input signal is applied to the "E" port and the "H" port is terminated to an external 50 ohm load. In each case, the input signal is equally divided in amplitude between the two outputs with the only difference being their relative phase difference.

Product Specifications

Frequency Range	200 MHz - 400 MHz
Insertion Loss	0.3 dB
Nominal Coupling	3 dB
Amplitude Balance	0.3 dB
Phase Balance	±1°
Isolation	>30 dB
VSWR	1.35:1 - Port E 1.25:1 - Port H
Connectors	Type N
Power Handling	200 Watts CW

(specifications are subject to change without notice)

Ordering Information

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