

Two-Way Isolated Power Dividers

Microstrip

2091/2092 Series

V2.00

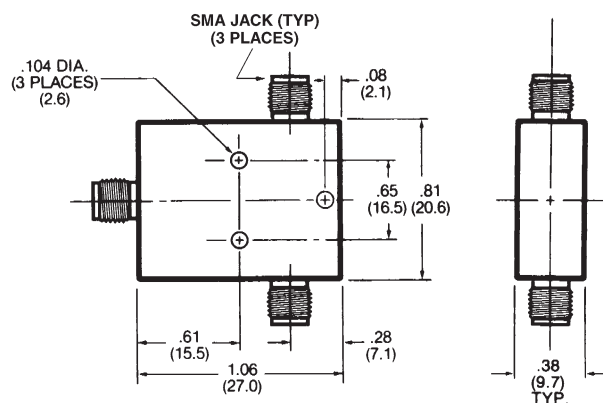
Features

- Excellent Amplitude and Phase Balance
- High Isolation Between Output Ports
- Wideband Frequency Coverage
- Low Insertion Loss
- Low VSWR
- Power: 5.0 – 20 Watts Input Maximum, with Matched Terminations
- Temperature Range: -54°C to +125°C
- Meets MIL-E-5400 Environments

Description

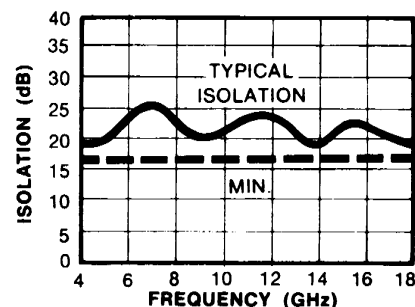
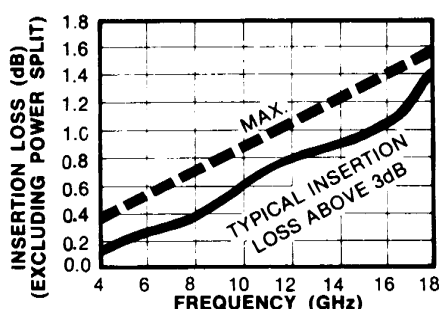
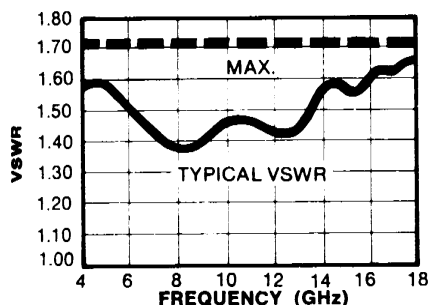
Ceramic microstrip construction techniques are utilized to achieve small size and high performance. Sliding contact connectors ensure high reliability over the temperature range. This type of construction can handle higher power when proper heat sinking is used.

These high performance units operate over octave and multi-octave bandwidths.



All dimensions are ± 0.020 , except mounting hole diameters (± 0.005) and mounting hole location (± 0.010).

Typical Performance Part No. 2092-6209-00



Specifications

PART NO.	FREQUENCY RANGE (GHz)	VSWR (max.)	ISOLATION (dB min.)	INSERTION LOSS (dB max.)	OUTPUT UNBALANCE		MAXIMUM INPUT POWER* (watts)	WEIGHT	
					AMP. (dB)	PHASE (deg.)		oz.	g
2091-6204-00	0.9-4.0	1.50	18	1.0	0.3	5.0	5.0	1.3	37
2091-6201-00	1.0-2.0	1.30	20	0.4	0.2	2.0	5.0	1.3	37
2091-6202-00	2.0-4.0	1.35	20	0.6	0.2	4.0	5.0	1.3	37
2092-6209-00	4.0-18.0	1.70	16	0.1+.08f (GHz)	0.3	1.0f (GHz)	20.0	1.3	37

*Maximum input power with output loads of VSWR $\leq 2.0:1$.
 Derate to 10% of listed value when arbitrarily terminated.