

Power Divider/Combiner

D80610W 6 – 10 GHz 8-Way Power Divider/Combiner

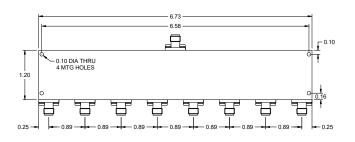
FEATURES

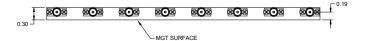
- ❖ Low VSWR
- High Isolation
- Small Package
- Light Weight

SPECIFICATIONS



6 – 10 GHz 8-Way Power Divider/Combiner	
Model Number	D80610W
Frequency Range	6 – 10 GHz
Insertion Loss	1.10 dB Typ., 1.40 dB Max.
Isolation	22 dB Typ., 19 dB Max.
Input VSWR	1.25:1 Typ., 1.35:1 Max.
Output VSWR	1.20:1 Typ., 1.30:1 Max.
Amplitude Balance	\pm 0.15 dB Typ., \pm 0.30 dB Max.
Phase Balance	$\pm 3.0^{\circ}$ Typ., $\pm 6.0^{\circ}$ Max.
Power Handling as Divider	30 W CW Max.
Impedance	50Ω
Connector Type	SMA (other connector available on request)





Design to meet the following environmental specifications: (verification optional)

- 1. Operating Temp: -55°C to +85°C
- 2. Storage Temp: -65°C to +125°C
- 3. Shock: MIL-STD-202F, M213, Cond B
- 4. Altitude: MIL-STD-202F, M105, Cond B
- 5. Vibration: MIL-STD-202F, M204, Cond B
- 6. Thermal Shock: MIL-STD-202F, M107, Cond A
- 7. Temp. Cycle: MIL-STD-202F, M105C, Cond D
- 8. Humidity: MIL-STD-202F, M103, Cond B (Optional with Hysol epoxy seal)

Standard Finishing: Rugged Aluminum Housing, optional finishing with blue epoxy paint per MIL-C-22750 available on request.

Note:

- Insertion loss refers to the sum of the output power to the input power
- 2. Standard connector is SMA female for all the ports
- 3. Other connector combination is available on request
- Power handling is under the condition that all the outputs are connected to the loads with1.25:1 or better VSWR and the unit is mounted with excellent heat sink