



D48240 2.8 – 40 GHz 4-Way Power Divider/Combiner

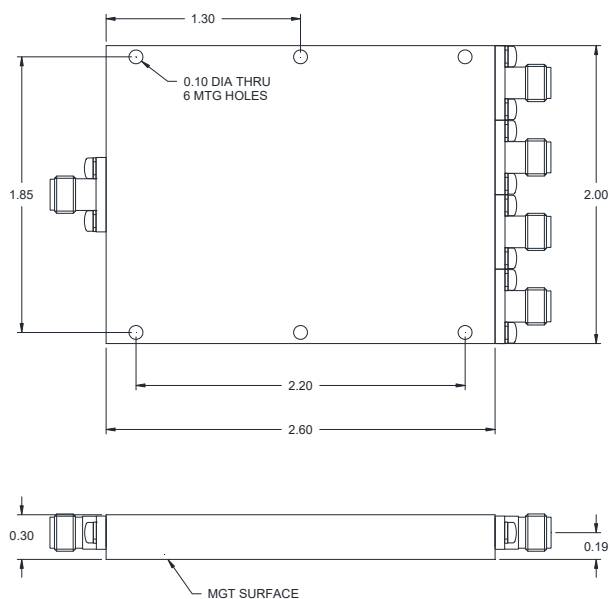
FEATURES

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



SPECIFICATIONS

2.8 – 40 GHz 4-Way Power Divider/Combiner	
Model Number	D48240
Frequency Range	2.8 – 40 GHz
Insertion Loss	3.2 dB Typ., 3.6 dB Max.
Isolation	17 dB Typ., 15 dB Min.
Input VSWR	1.60:1 Typ., 1.70:1 Max.
Output VSWR	1.55:1 Typ., 1.65:1 Max.
Amplitude Balance	±0.40 dB Typ., ±0.60 dB Max.
Phase Balance	±6.0° Typ., ±8.0° Max.
Power Handling as Divider	30 W CW Max.
Impedance	50 Ω
Connector Type	2.92 mm Female



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

Housing: Rugged Conductive Aluminum Housing
Connector Housing: Passivated Stainless Steel
Connector Center PIN: Beryllium copper, Gold plated

Note:

1. Insertion loss refers to the sum of the output power to the input power
2. Standard connector is 2.92mm female for all the ports
3. Other connector combination is available on request
4. Power handling is under the condition that all the outputs are connected to the loads with 1.25:1 or better VSWR and the unit is mounted with excellent heat sink