

## **Power Divider/Combiner**

# **D60618** 6 – 18 GHz 6-Way Power Divider/Combiner

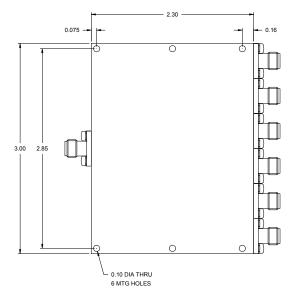
#### **FEATURES**

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

### **SPECIFICATIONS**



| 6 – 18 GHz 6-Way Power Divider/Combiner |                                                |
|-----------------------------------------|------------------------------------------------|
| Model Number                            | D60618                                         |
| Frequency Range                         | 6 – 18 GHz                                     |
| Insertion Loss                          | 1.40 dB Typ., 1.70 dB Max.                     |
| Isolation                               | 23 dB Typ., 20 dB Max.                         |
| Input VSWR                              | 1.30:1 Typ., 1.45:1 Max.                       |
| Output VSWR                             | 1.30:1 Typ., 1.45:1 Max.                       |
| Amplitude Balance                       | $\pm$ 0.25 dB Typ., $\pm$ 0.50 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