



HD8012 0.8 – 1.2 GHz 180° Hybrid

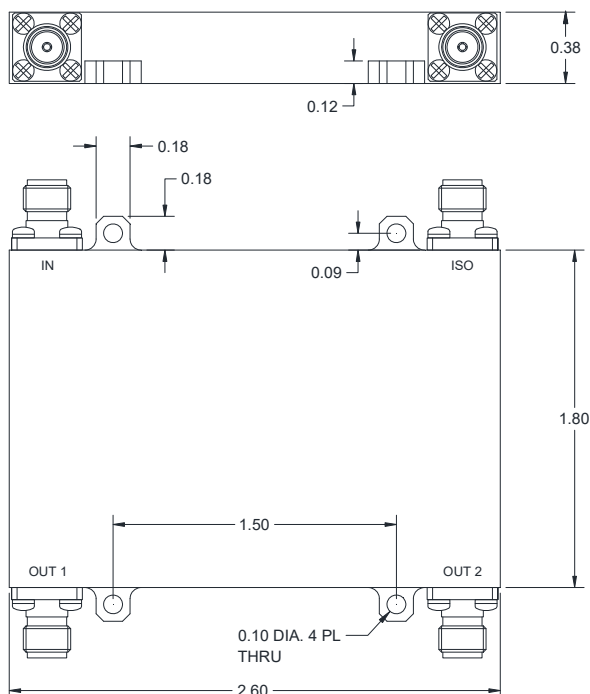
FEATURES

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



SPECIFICATIONS

| 0.8 – 1.2 GHz 180° Hybrid | |
|----------------------------------|--|
| Model Number | HD8012 |
| Frequency Range | 0.8 – 1.2 GHz |
| Insertion Loss | 0.30 dB Typ., 0.45 dB Max. |
| Isolation | 28 dB Typ., 25 dB Min. |
| Input VSWR | 1.10:1 Typ., 1.20:1 Max. |
| Output VSWR | 1.10:1 Typ., 1.20:1 Max. |
| Amplitude Balance | ±0.10 dB Typ., ±0.20 dB Max. |
| Phase Balance | ±2.0° Typ., ±4.0° Max. |
| Power Handling as Divider | 80 W CW Max. |
| Impedance | 50 Ω |
| 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

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 SMA 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