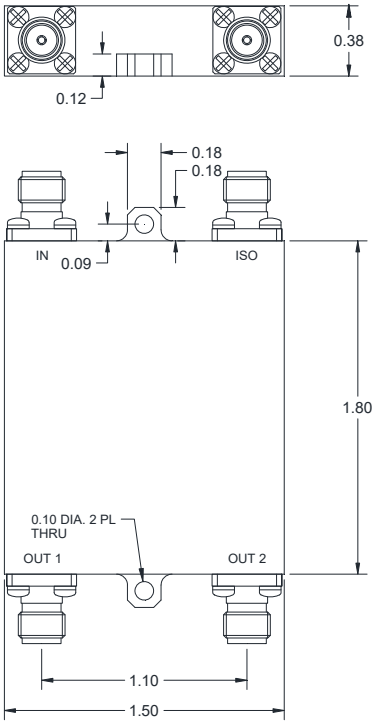
HD7162 1.7 – 2.6 GHz 180° Hybrid

FEATURES

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

SPECIFICATIONS

1.7 – 2.6 GHz 180° Hybrid	
Model Number	HD7162
Frequency Range	1.7 – 2.6 GHz
Insertion Loss	0.30 dB Typ., 0.50 dB Max.
Isolation	24 dB Typ., 21 dB Min.
Input VSWR	1.20:1 Typ., 1.30:1 Max.
Output VSWR	1.20:1 Typ., 1.30:1 Max.
Amplitude Balance	±0.20 dB Typ., ±0.40 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 with1.25:1 or better VSWR and the unit is mounted with excellent heat sink