



HD2640T 26.5– 40 GHz 3 dB 180° Internal Terminated 3-Port Hybrid

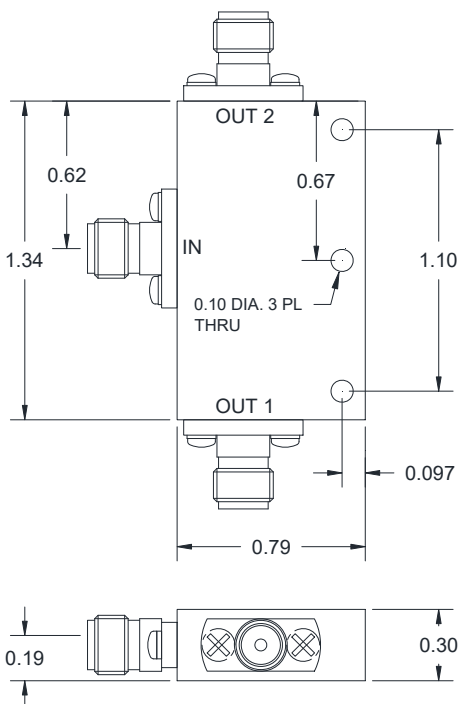
FEATURES

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



SPECIFICATIONS

26.5 – 40 GHz 3 dB 180° Internal Terminated 3-Port Hybrid	
Model Number	HD2640T
Frequency Range	26.5 – 40 GHz
Insertion Loss	1.4 dB Typ., 1.9 dB Max.
Isolation	15 dB Typ., 12 dB Min.
Input VSWR	1.9:1 Typ., 2.2:1 Max.
Output VSWR	1.9:1 Typ., 2.2:1 Max.
Amplitude Balance	±0.5 dB Typ., ±0.80 dB Max.
Phase Balance	±6° Typ., ±10° Max.
Power Handling as Divider	0.5 W CW
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. Deviation from -3dB plus insertion loss
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