



**2DY-30D15 30 – 31 GHz 2-Way Power Divider/Combiner**

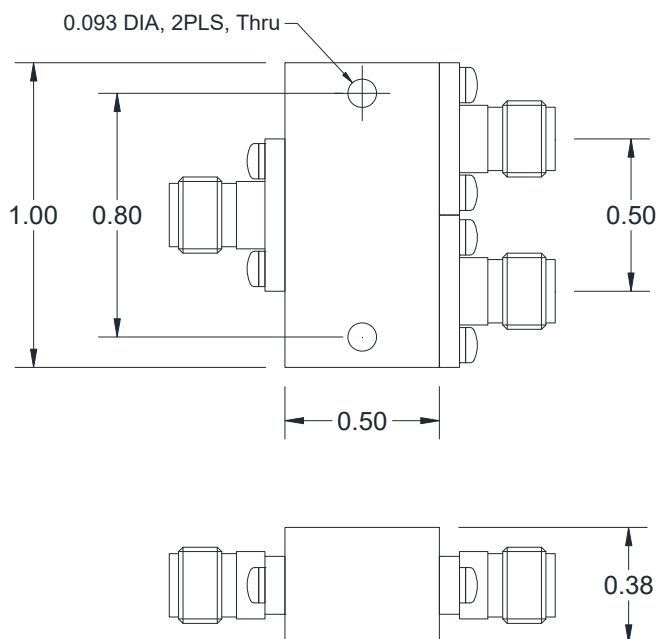
**FEATURES**

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



**SPECIFICATIONS**

<b>30 – 31 GHz 2-Way Power Divider/Combiner</b>	
Model Number	2DY-30D15
Frequency Range	30 – 31 GHz
Insertion Loss	0.7 dB Typ., 0.9 dB Max.
Isolation	21 dB Typ., 18 dB Min.
Input VSWR	1.15:1 Typ., 1.25:1 Max.
Output VSWR	1.15:1 Typ., 1.25:1 Max.
Amplitude Balance	$\pm 0.1$ dB Typ., $\pm 0.2$ dB Max.
Phase Balance	$\pm 2.0^\circ$ Typ., $\pm 4.0^\circ$ Max.
Power Handling as Divider	30 W CW Max.
Impedance	50 $\Omega$
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 2.92 mm female for all the ports
3. 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