# Model 1H0280-3

# Hybrid Couplers

*3 dB, 90°*

## Applications

- Microstrip Circuits
- Power Amps
- Divider/Combiners
- Switch Networks
- Balanced Detectors
- Antenna Feeds




## Features

- Welded Tab Mount
- 2-Way Power Split
- Reliable Performance
- Handles 400 Watts

## Electrical Specifications

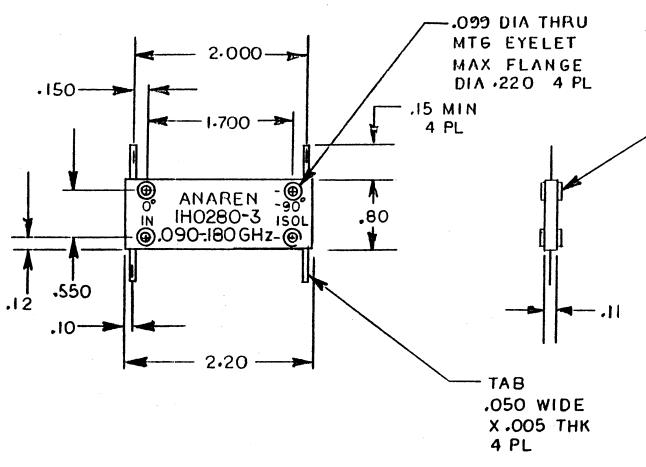
| Frequency *MHz* | Isolation *dB Min/Typ* | Insert. Loss *dB Max* | VSWR *Max : 1* |
|---|---|---|---|
| 90 - 180 | 18/25 | 0.30 | 1.20/1.10 |

| Amp. Bal. *dB Max* | Phase Bal. *Degrees Max* | Power *Ave. CW Watts* |
|---|---|---|
| ±0.50 | ±2.0 | 400 |

**Notes:** Electrical specifications apply only with properly designed test fixtures. Testing is done at ambient temperature only. Sample testing is performed to MIL-STD-105, Level 2, AQL 1.0. Test includes coupling, amplitude balance, insertion loss and isolation. If your application requires additional testing, consult Anaren Power rating applies when solder tab/coupler interface has been conformally coated. Impedance: 50 ohms. Meets MIL-E-5400 Class 3 requirements. Additional screening available for military and space applications.

**Electrical and Mechanical Specifications subject to change without notice.**

## Outline Drawing




**NOTES:**

1. **DIMENSIONS ARE IN INCHES OVER (MILLIMETERS)**
2. **MARKING SHALL BE IN ACCORDANCE WILL MIL-STD-130**
3. **FINISH: CHEMICAL CONVERSATION COAT (CLEAR) PER MIL-C-5541, CLASS 1A**
4. **SOLDER TAB:**
   **4.1 MATERIAL:FLAT WIRE, COPPER-061, PER ASTM-B-272**
   **4.2 FINISH: GOLD PLATE PER MIL-G-45204, TYPE 3, GRADE A, CLASS 00. OVER NICKEL SULFAMATE FLASH PER QQ-N-290, CLASS I.**


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