

# YF-46

## 4 Way In-Phase Power Divider / Combiner



### Specifications:

| Parameter             | Specification | Units   |
|-----------------------|---------------|---------|
| Frequency Range (Min) | 7.0 – 14.0    | GHz     |
| In / Out VSWR (Max)   | 1.50 / 1.40   | dB      |
| Insertion Loss (Max)  | 1.0           | dB      |
| Isolation (Min)       | 18.0          | dB      |
| Phase Balance         | 7.0           | Degrees |
| Amp Balance           | 0.60          | dB      |

### Environmental Specifications:

Designed to meet:

MIL-E-5400, MIL-STD-202, MIL-E-16400

Operating Temp: -55°C to +125°C

Storage Temp: -65°C to +150°C

Humidity: MIL-STD-202F, M103, Cond B

Shock: MIL-STD-202F, M213, Cond B

Altitude: MIL-STD-202F, M105, Cond B

Vibration: MIL-STD-202F, M204, Cond B

Thermal Shock: MIL-STD-202F, M107, Cond A

Temperature Cycle: MIL-STD-202F, M105C, Cond D

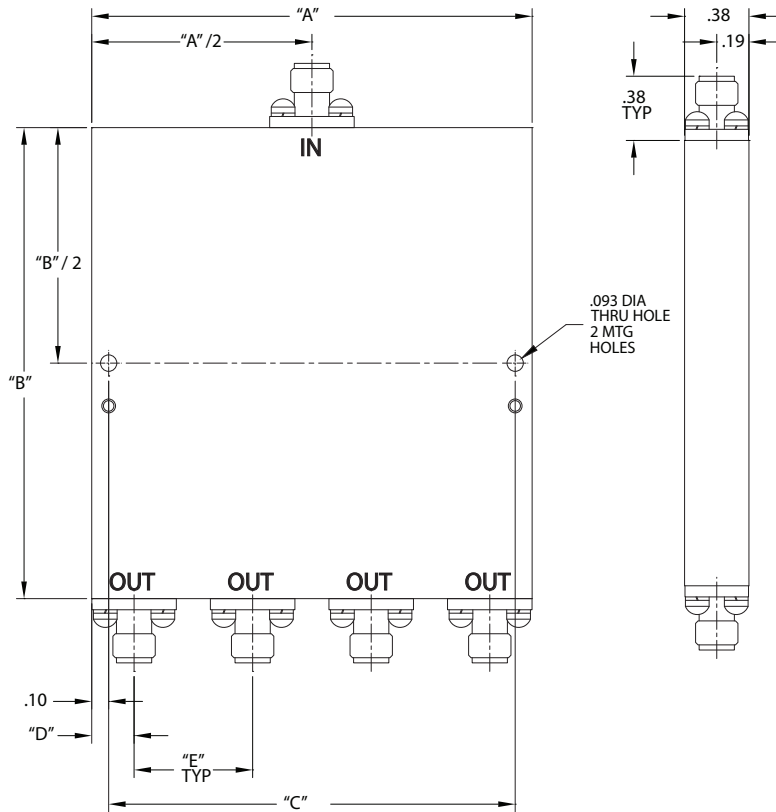
### Notes:

Please Contact the Factory for Custom Specifications

### Mechanical Specifications:

Case Style: YF Outline

Connectors: SMA Female per MIL-C-39012



OUTLINE CASE STYLE YF

| "A"<br>in | "B"<br>in | "C"<br>in | "D"<br>in | "E"<br>in |
|-----------|-----------|-----------|-----------|-----------|
| 1.60      | 1.75      | 1.40      | 0.20      | 0.40      |

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