



0.5-18 GHz

SMA Ultra-Broadband Power Dividers

- Low Input VSWR
- High Isolation Between Output Ports
- Temperature Range: -54 to +85°C (Operational at 105°C)
- Designed for MIL Environments

Specifications

SMA (F), 2-Way / 4-Way / 8-Way, 0.5 to 18 GHz, 30 W

| FREQUENCY RANGE (GHz) | MODEL | VSWR (max.) | | INSERTION LOSS (dB) | | ISOLATION (dB min.) | AMPLITUDE BALANCE (dB) | | PHASE BALANCE (max.) | | AVERAGE POWER* (W max.) | | | WEIGHT (max.) | |
|-----------------------|----------|-------------|--------|---------------------|------|---------------------|------------------------|------|----------------------|------|-------------------------|----|---|---------------|-----|
| | | INPUT | OUTPUT | 0.5-8 | 8-18 | | 0.5-8 | 8-18 | 0.5-8 | 8-18 | A | B | C | oz. | kg. |
| 0.5-18 | 4426-2 | 1.50 | 1.45 | 0.8 | 1.7 | 19 | 0.3 | 0.6 | 4° | 8° | 30 | 10 | 1 | 6.4 | .18 |
| | 4426-4 | 1.60 | 1.45 | 1.8 | 3.8 | 16 | 0.5 | 1.2 | 8° | 14° | 30 | 10 | 1 | 20 | .55 |
| | 4426-8 | 1.70 | 1.50 | 3.5 | 6.5 | 18** | 0.8 | 1.4 | 10° | 18° | 30 | 10 | 1 | 38 | 1.1 |
| 0.5-6 | 4426LB-2 | 1.50 | 1.40 | 0.9 [‡] | — | 19 | 0.3 [‡] | — | 4° [‡] | — | 30 | 10 | 1 | 6.4 | .18 |
| | 4426LB-4 | 1.60 | 1.45 | 1.8 [‡] | — | 16 | 0.5 [‡] | — | 8° [‡] | — | 30 | 10 | 1 | 20 | .55 |
| | 4426LB-8 | 1.70 | 1.50 | 3.5 [‡] | — | 14 | 0.8 [‡] | — | 10° [‡] | — | 30 | 10 | 1 | 38 | 1.1 |

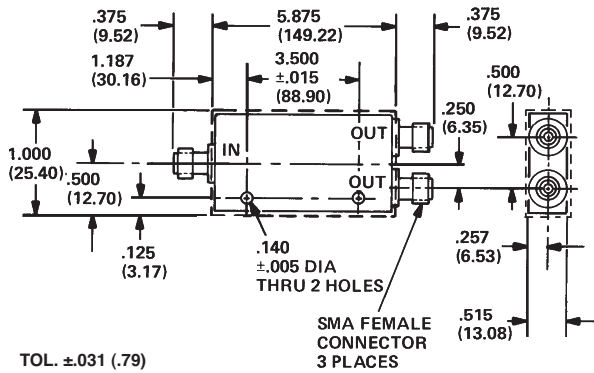
* Average Power Rating into a load VSWR of (A) 1.2 to 1, (B) 2 to 1 and (C) ∞VSWR

** Isolation between 0.5-2.0 GHz is 14 dB min.

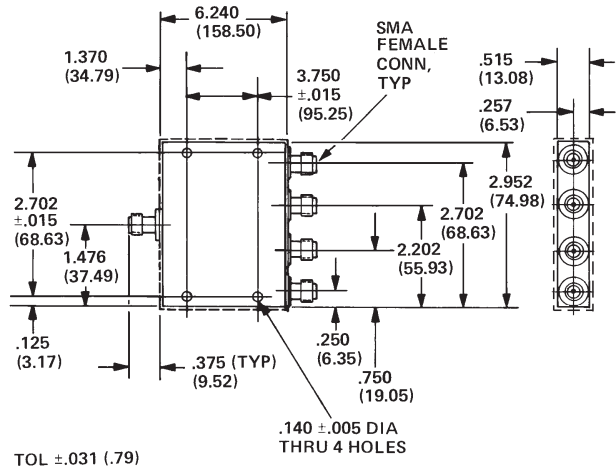
‡ 0.5-6.0 GHz

Power Dividers

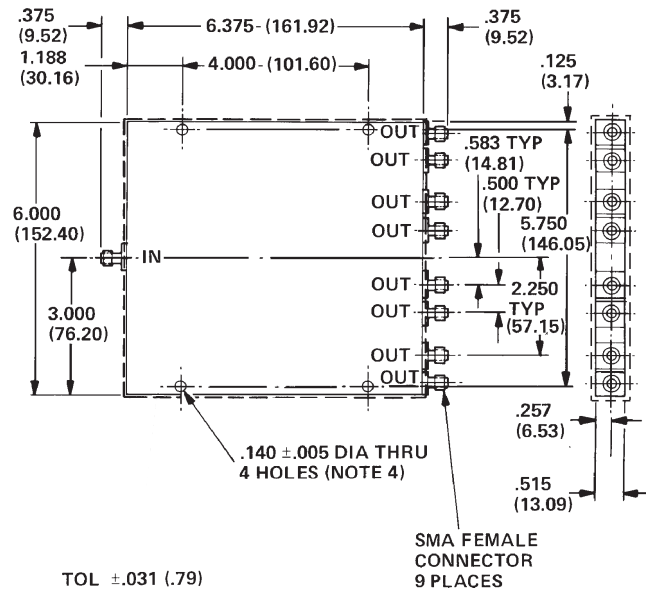
Outline Drawings



MODEL 4426-2, 4426LB-2



MODEL 4426-4, 4426LB-4



MODEL 4426-8, 4426LB-8

Allow .020 for sealant build-up per surface.
 Dimensions in inches (mm in parentheses), unless otherwise specified.