

SMA 8-WAY POWER DIVIDERS / COMBINERS

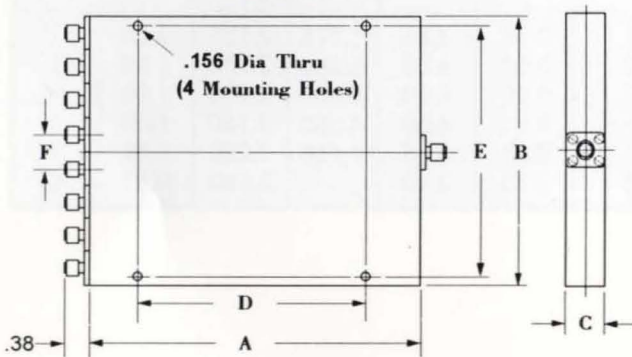
In Phase



GENERAL SPECIFICATIONS

Frequency Bands From 0.005 to 16.0 GHz
 RF Power * 35 Watts average, 1 kW peak
 (Load VSWR 1.3)
 Connectors SMA Female
 Material:
 Body Aluminum
 Connectors MIL-C-39012
 Finish ARRA Blue per MIL-C-22750

Form 0-3328



SMA Dimensions - Inches

| Outline | A | B | C | D | E | F |
|---------|------|------|------|-------|-------|------|
| 1 | 3.13 | 7.13 | 0.50 | 2.500 | 6.750 | 0.88 |
| 2 | 9.06 | 5.38 | 0.50 | 8.064 | 4.876 | 0.60 |
| 3 | 9.06 | 5.38 | 0.50 | 7.560 | 4.880 | 0.64 |
| 4 | 4.85 | 4.00 | 0.50 | 3.000 | 3.675 | 0.50 |
| 5 | 3.13 | 5.48 | 0.38 | 1.250 | 5.074 | 0.64 |
| 6 | 2.47 | 5.48 | 0.38 | 1.250 | 5.074 | 0.64 |

OCTAVE BAND SMA MODELS

| Frequency Range (GHz) | Isolation (Min dB) | VSWR (Max) | Ins Loss (Max dB) | Amplitude Bal (±dB) | Phase Bal (±Deg) | Outline | Model No. |
|-----------------------|--------------------|------------|-------------------|---------------------|------------------|---------|-----------|
| 0.005-0.5 | 18 | 1.60 | 1.25 | 0.4 | 3 | 1 | 0200-8 |
| 1.0-2.0 | 20 | 1.45 | 0.70 | 0.3 | 5 | 2 | 3200-8 |
| 0.75-4.0 | 20 | 1.60 | 1.20 | 0.4 | 5 | 3 | 2-4200-8 |
| 1.0-4.0 | 20 | 1.60 | 1.20 | 0.4 | 5 | 3 | 3-4200-8 |
| 2.0-4.0 | 18 | 1.60 | 1.00 | 0.4 | 5 | 4 | A4200-8 |
| 4.0-8.0 | 15 | 1.60 | 1.50 | 0.5 | 6 | 5 | A5200-8 |
| 8.0-12.4 | 17 | 1.50 | 1.50 | 0.5 | 8 | 6 | A6200-8 |
| 8.0-16.0 | 17 | 1.60 | 1.75 | 0.5 | 8 | 6 | 6-9200-8 |

SPECIAL NARROW BAND SMA MODELS

| Frequency Range (GHz) | Isolation (Min dB) | VSWR (Max) | Ins Loss (Max dB) | Amplitude Bal (±dB) | Phase Bal (±Deg) | Outline | Model No. |
|-----------------------|--------------------|------------|-------------------|---------------------|------------------|---------|-----------|
| 0.9-1.3 | 22 | 1.35 | 0.7 | 0.3 | 3 | 2 | 2200-8Y |
| 2.0-2.5 | 18 | 1.45 | 1.0 | 0.4 | 5 | 4 | A4200-8X |
| 3.7-4.2 | 18 | 1.50 | 1.0 | 0.4 | 5 | 5 | B4200-8Y |
| 3.7-6.4 | 16 | 1.75 | 1.6 | 0.4 | 6 | 5 | A5200-8X |
| 5.4-5.9 | 16 | 1.60 | 1.6 | 0.4 | 5 | 5 | A5200-8Y |
| 5.7-6.4 | 16 | 1.60 | 1.6 | 0.4 | 5 | 5 | A5200-8Z |
| 7.2-8.4 | 17 | 1.50 | 1.0 | 0.5 | 7 | 6 | A6200-8Y |
| 9.0-10.5 | 17 | 1.50 | 1.0 | 0.5 | 7 | 6 | A6200-8X |
| 11.7-14.5 | 17 | 1.50 | 1.5 | 0.5 | 8 | 6 | 9200-8X |
| 14.0-15.5 | 17 | 1.50 | 1.5 | 0.5 | 8 | 6 | 9200-8Z |

* This RF power rating assumes all ports are matched. The internal resistors are rated for 0.5 Watts, 1.5 Watts on Model 0200-8.