

Triple Balanced Mixers A SERIES 1.0 to 20.0 GHz

FEATURES

- > Multi-Octave Bandwidth
- > Ultra Wide IF Bandwidth
- > Broad RF and LO Bandwidths
- > AC Coupled IF Output
- > High LO Drive Dynamic Range

Maximum Input Power: 250mW CW
 Operating Temperature Range: -55°C to +125°C
 Storage Temperature Range: -65°C to +150°C
 Specification @ +25°C

| Model No. | RF Frequency GHz | LO Frequency GHz | IF Frequency GHz | LO Power dBm Nom. | Conversion Loss dB Typ./Max. | L-R Isolation dB Typ./Min. | L-I Isolation dB Typ./Min. | Input 1-dB Comp. Pt. dBm Typ. | Input TOIP dBm Typ. |
|-----------|------------------|------------------|------------------|-------------------|------------------------------|----------------------------|----------------------------|-------------------------------|---------------------|
| A1010M | 1.0 - 10.0 | 1.0 - 10.0 | 0.5 - 4.0 | +10 | 7.5/9.5 | 25/18 | 28/18 | +4 | +14 |
| A1010N | 1.0 - 10.0 | 1.0 - 10.0 | 0.5 - 4.0 | +15 | 7.5/9.5 | 25/18 | 28/18 | +9 | +18 |
| A1010H | 1.0 - 10.0 | 1.0 - 10.0 | 0.5 - 4.0 | +19 | 7.5/9.5 | 25/18 | 28/18 | +14 | +22 |
| A2018M | 2.0 - 18.0 | 2.0 - 18.0 | 2.0 - 8.0 | +10 | 7.0/9.0 | 25/18 | 24/16 | +4 | +14 |
| A2018N | 2.0 - 18.0 | 2.0 - 18.0 | 2.0 - 8.0 | +15 | 7.0/9.0 | 25/18 | 24/16 | +9 | +18 |
| A2018H | 2.0 - 18.0 | 2.0 - 18.0 | 2.0 - 8.0 | +19 | 7.0/9.0 | 25/18 | 24/16 | +14 | +22 |
| A2118M | 2.0 - 18.0 | 2.0 - 18.0 | 0.5 - 8.0 | +10 | 7.5/9.5 | 25/18 | 24/16 | +4 | +14 |
| A2118N | 2.0 - 18.0 | 2.0 - 18.0 | 0.5 - 8.0 | +15 | 7.5/9.5 | 25/18 | 24/16 | +9 | +18 |
| A2118H | 2.0 - 18.0 | 2.0 - 18.0 | 0.5 - 8.0 | +19 | 7.5/9.5 | 25/18 | 24/16 | +14 | +22 |
| A2002M | 2.0 - 20.0 | 2.0 - 20.0 | 2.0 - 8.0 | +10 | 8.0/10.0 | 25/18 | 24/16 | +4 | +14 |
| A2002N | 2.0 - 20.0 | 2.0 - 20.0 | 2.0 - 8.0 | +15 | 8.0/10.0 | 25/18 | 24/16 | +9 | +18 |
| A2002H | 2.0 - 20.0 | 2.0 - 20.0 | 2.0 - 8.0 | +19 | 8.0/10.0 | 25/18 | 24/16 | +14 | +22 |
| A2102M | 2.0 - 20.0 | 2.0 - 20.0 | 0.5 - 8.0 | +10 | 8.5/10.5 | 25/18 | 24/16 | +4 | +14 |
| A2102N | 2.0 - 20.0 | 2.0 - 20.0 | 0.5 - 8.0 | +15 | 8.5/10.5 | 25/18 | 24/16 | +9 | +18 |
| A2102H | 2.0 - 20.0 | 2.0 - 20.0 | 0.5 - 8.0 | +19 | 8.5/10.5 | 25/18 | 24/16 | +14 | +22 |
| A6018M | 6.0 - 18.0 | 6.0 - 18.0 | 2.0 - 8.0 | +10 | 7.0/9.0 | 27/18 | 25/18 | +4 | +14 |
| A6018N | 6.0 - 18.0 | 6.0 - 18.0 | 2.0 - 8.0 | +15 | 7.0/9.0 | 27/18 | 25/18 | +9 | +18 |
| A6018H | 6.0 - 18.0 | 6.0 - 18.0 | 2.0 - 8.0 | +19 | 7.0/9.0 | 27/18 | 25/18 | +14 | +22 |
| A6118M | 6.0 - 18.0 | 6.0 - 18.0 | 0.5 - 8.0 | +10 | 7.5/9.5 | 27/18 | 25/18 | +4 | +14 |
| A6118N | 6.0 - 18.0 | 6.0 - 18.0 | 0.5 - 8.0 | +15 | 7.5/9.5 | 27/18 | 25/18 | +9 | +18 |
| A6118H | 6.0 - 18.0 | 6.0 - 18.0 | 0.5 - 8.0 | +19 | 7.5/9.5 | 27/18 | 25/18 | +14 | +22 |

1. To indicate package style, add prefix to the end of the model number. (Example: Model No. A6118NB - Package "B").
2. Connectors and Spacers are standard to the parts and spacers are optional.
3. Custom operating frequency bands & power levels are available upon request.