

## Triple-Balanced Mixers A-SERIES 1.0 to 20.0 GHz

### FEATURES

- > Multi-Octave Bandwidth
- > Dual Quad Diodes
- > Ultra Wide RF/LO/IF Bandwidth
- > High IF Frequency to RF/LO Frequency
- > AC Coupled IF Output
- > High Dynamic Range Application

Maximum Input Power: +27 dBm 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.	L-R Isolation dB Typ./Min	L-I Isolation dB Typ./Min	INPUT 1dB COMP dBm Typ.	INPUT TOIP dBm Typ.
A-1010M	1.0-10.0	1.0-10.0	0.5-4.0	+10	7.5	23/18	26/18	+4	+14
A-1010N	1.0-10.0	1.0-10.0	0.5-4.0	+15	7.5	23/18	26/18	+9	+18
A-1010H	1.0-10.0	1.0-10.0	0.5-4.0	+19	7.5	23/18	26/18	+14	+22
A-2018M	2.0-18.0	2.0-18.0	2.0-8.0	+10	7.5	25/18	24/16	+4	+14
A-2018N	2.0-18.0	2.0-18.0	2.0-8.0	+15	7.5	25/18	24/16	+9	+18
A-2018H	2.0-18.0	2.0-18.0	2.0-8.0	+19	7.5	25/18	24/16	+14	+22
A-2118M	2.0-18.0	2.0-18.0	0.5-8.0	+10	7.5	25/18	24/16	+4	+14
A-2118N	2.0-18.0	2.0-18.0	0.5-8.0	+15	7.5	25/18	24/16	+9	+18
A-2118H	2.0-18.0	2.0-18.0	0.5-8.0	+19	7.5	25/18	24/16	+14	+22
A-2002M	2.0-20.0	2.0-20.0	2.0-8.0	+10	8.0	25/18	25/16	+4	+14
A-2002N	2.0-20.0	2.0-20.0	2.0-8.0	+15	8.0	25/18	25/16	+9	+18
A-2002H	2.0-20.0	2.0-20.0	2.0-8.0	+19	8.5	25/18	25/16	+14	+22
A-2102M	2.0-20.0	2.0-20.0	0.5-8.0	+10	8.0	25/18	25/16	+4	+14
A-2102N	2.0-20.0	2.0-20.0	0.5-8.0	+15	8.0	25/18	25/16	+9	+18
A-2102H	2.0-20.0	2.0-20.0	0.5-8.0	+19	8.0	28/18	28/16	+14	+22
A-6018M	6.0-18.0	6.0-18.0	2.0-8.0	+10	7.0	25/20	25/20	+4	+14
A-6018N	6.0-18.0	6.0-18.0	2.0-8.0	+15	7.0	25/20	25/20	+9	+18
A-6018H	6.0-18.0	6.0-18.0	2.0-8.0	+19	7.0	25/20	25/20	+14	+22
A-6118M	6.0-18.0	6.0-18.0	0.5-8.0	+10	7.5	24/20	25/20	+4	+14
A-6118N	6.0-18.0	6.0-18.0	0.5-8.0	+15	7.5	24/20	25/20	+9	+18
A-6118H	6.0-18.0	6.0-18.0	0.5-8.0	+19	7.5	24/20	25/20	+14	+22

1. To indicate package style, add prefix to the end of the model number. (Example: Model No. A-6118NB - 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.