

## Double Balanced Mixers J SERIES 10 MHz to 26.0 GHz

### FEATURES

- > Multi-Octave Bandwidth
- > Broad Frequency: Input and Output
- > Wide DC to IF Frequency Response
- > Low Conversion Loss
- > High Port-to-Port Isolations

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.
J0020L	.01 - 1.5	.01 - 1.5	DC - 0.6	+7	7.0/8.5	40/30	33/26	+1	+11
J0020M	.01 - 1.5	.01 - 1.5	DC - 0.6	+10	7.0/8.5	40/30	33/26	+4	+14
J0020N	.01 - 1.5	.01 - 1.5	DC - 0.6	+13	7.0/8.5	40/30	33/26	+7	+17
J0020H	.01 - 1.5	.01 - 1.5	DC - 0.6	+16	7.0/8.5	40/30	33/26	+10	+19
J1020L	1.0 - 2.0	1.0 - 2.0	DC - 1.0	+7	6.5/7.5	33/28	28/20	+1	+11
J1020M	1.0 - 2.0	1.0 - 2.0	DC - 1.0	+10	6.5/7.5	33/28	28/20	+4	+14
J1020N	1.0 - 2.0	1.0 - 2.0	DC - 1.0	+13	6.5/7.5	33/28	28/20	+7	+17
J1020H	1.0 - 2.0	1.0 - 2.0	DC - 1.0	+16	6.5/7.5	33/28	28/20	+10	+19
J2080L	2.0 - 8.0	2.0 - 8.0	DC - 2.0	+7	5.5/7.0	35/25	25/18	+1	+11
J2080M	2.0 - 8.0	2.0 - 8.0	DC - 2.0	+10	5.5/7.0	35/25	25/18	+4	+14
J2080N	2.0 - 8.0	2.0 - 8.0	DC - 2.0	+13	5.5/7.0	35/25	25/18	+7	+17
J2080H	2.0 - 8.0	2.0 - 8.0	DC - 2.0	+16	5.5/7.0	35/25	25/18	+10	+19
J2012L	2.0 - 12.0	2.0 - 12.0	DC - 2.0	+7	5.5/7.5	35/25	25/18	+1	+11
J2012M	2.0 - 12.0	2.0 - 12.0	DC - 2.0	+10	5.5/7.5	35/25	25/18	+4	+14
J2012N	2.0 - 12.0	2.0 - 12.0	DC - 2.0	+13	5.5/7.5	35/25	25/18	+7	+17
J2012H	2.0 - 12.0	2.0 - 12.0	DC - 2.0	+16	5.5/7.5	35/25	25/18	+10	+19
J2118L	2.0 - 18.0	1.8 - 18.2	DC - 0.2	+7	6.0/8.0	28/20	25/18	+1	+10
J2118M	2.0 - 18.0	1.8 - 18.2	DC - 0.2	+10	6.0/8.0	28/20	25/18	+4	+14
J2018L	2.0 - 18.0	2.0 - 18.0	DC - 0.7	+7	6.5/8.5	28/20	25/18	+1	+10
J2018M	2.0 - 18.0	2.0 - 18.0	DC - 0.7	+10	6.5/8.5	28/20	25/18	+4	+14

1. To indicate package style, add prefix to the end of the model number. (Example: Model No. J2018LB - 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.

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 Specification @ +25°C

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J4080L	4.0 - 8.0	4.0 - 8.0	DC - 3.0	+7	5.0/7.0	40/30	30/22	+1	+11
J4080M	4.0 - 8.0	4.0 - 8.0	DC - 3.0	+10	5.0/7.0	40/30	30/22	+4	+14
J4080N	4.0 - 8.0	4.0 - 8.0	DC - 3.0	+13	5.0/7.0	40/30	30/22	+7	+17
J4080H	4.0 - 8.0	4.0 - 8.0	DC - 3.0	+16	5.0/7.0	40/30	30/22	+10	+19
J4015L	4.0 - 15.0	4.0 - 15.0	DC - 3.0	+7	5.5/7.0	35/25	30/20	+1	+11
J4015M	4.0 - 15.0	4.0 - 15.0	DC - 3.0	+10	5.5/7.0	35/25	30/20	+4	+14
J4015N	4.0 - 15.0	4.0 - 15.0	DC - 3.0	+13	5.5/7.0	35/25	30/20	+7	+17
J4015H	4.0 - 15.0	4.0 - 15.0	DC - 3.0	+16	5.5/7.0	35/25	30/20	+10	+19
J4018L	4.0 - 18.0	4.0 - 18.0	DC - 4.0	+7	5.5/7.5	35/22	35/22	+1	+11
J4018M	4.0 - 18.0	4.0 - 18.0	DC - 4.0	+10	5.5/7.5	35/22	35/22	+4	+14
J4018N	4.0 - 18.0	4.0 - 18.0	DC - 4.0	+13	5.5/7.5	35/22	35/22	+7	+17
J4018H	4.0 - 18.0	4.0 - 18.0	DC - 4.0	+16	5.5/7.5	35/22	35/22	+10	+19
J6018L	6.0 - 18.0	6.0 - 18.0	DC - 4.0	+7	5.5/7.5	35/23	35/23	+1	+11
J6018M	6.0 - 18.0	6.0 - 18.0	DC - 4.0	+10	5.5/7.5	35/23	35/23	+4	+14
J6018N	6.0 - 18.0	6.0 - 18.0	DC - 4.0	+13	5.5/7.5	35/23	35/23	+7	+17
J6018H	6.0 - 18.0	6.0 - 18.0	DC - 4.0	+16	5.5/7.5	35/23	35/23	+10	+19
J16026L	16.0 - 26.0	16.0 - 26.0	DC - 4.0	+7	7.5/9.5	38/25	30/20	+1	+11
J16026M	16.0 - 26.0	16.0 - 26.0	DC - 4.0	+10	7.5/9.5	38/25	30/20	+4	+14

1. To indicate package style, add prefix to the end of the model number. (Example: Model No. J6018LB - 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.