

Double, Triple Balanced Mixers

Narrow Band Broadband to 18 GHz

Features

- 2-18 GHz in a Single Model
- AC, DC coupled IF's
- Double, Triple Balanced Designs
- Image Reject Mixers Available
- High Intercept Point Mixers
- Field Replaceable Connectors
- Optimized, Application Specific Units
- SMA connectors are standard
- Phase Detector, Attenuator Applications

MIDISCO High Performance Mixers

feature double balanced mixers for cost-effective performance and triple balanced units to provide superior third order (IP³) intercept performance. Double balanced mixers are available to cover RF and LO frequencies from 0.01 MHz to 18 GHz, in various bandwidths. Some have DC coupled output ports to support phase detector and attenuator applications. Many of MIDISCO's triple balanced devices are optimized to cover specific bands (Cellular, PCS, LAN), or to user specified requirements. Image Rejection mixers are also available. The MDC02274 series is also available with removable connectors. Shown below is only a sampling of our capability. Please consult the factory with your specific requirements.

New Products

Frequency GHz		LO Drive (dBm)	Conversion Loss (dB)	P (1 dB) (dBm)	L/R Isolation (dB)	L/I Isolation (dB)	Outline	Model Number
LO/RF	IF							
0.0005-3	.0005-2	+10	8.5 max	+5	25 min	25 min	1	MDC02301-1
0.0005-4.2	.0005-2	+13	10 max	+7	20 min	25 min	1	MDC02301-2
RF :0.87-0.97 LO: 0.80-0.90	70 +/- 2 MHz	+23	7 max	IP ³ : +33	30 min	26 min	3	MDC02300-1 (Cellular)
0.8 - 4	DC - 0.7	+7	9 max	+1	25 min	20 min	1	MDC00299
RF: 1.85-1.91 LO: 1.78-1.84	240 +/- 5 MHz	+17	8.5 max	IP ³ : +27	26 min	25 min	3	MDC02300-2 (PCS)
RF: 1.85-1.91 LO: 1.78-1.84	70 +/- 2 MHz	+23	8.3 max	IP ³ : +33	30 min	30 min	3	MDC02300-3 (PCS)
2 - 8	DC - 1 DC - 2	+17	6 typ/7.5 max 6.5 typ/8 max	+10	30 typ/25 min 30 typ/25 min	25 typ/20 min 25 typ/20 min	2	MDC02274-1
2 - 18	.005 - 1 .005 - 2 .005 - 4	+13	6.5 typ/8 max 7.5 typ/9 max 8 typ/9.5 max	+7	30 typ/20 min 30 typ/20 min 30 typ/20 min	30 typ/20 min 30 typ/20 min 30 typ/20 min	2	MDC02274-3
6-18	DC - 1 DC - 2	+13	6 typ/7.5 max. 6.5 typ/8 max	+7	25 typ/20 min 20 typ/20 min	20 min 20 min	2	MDC02274-2

Note: On units with DC coupled IF ports, the polarity is negative.

