

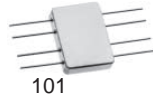
# MIXERS

## DOUBLE -BALANCED

$LO = +10 \text{ dBm}$

IMPROVED DYNAMIC RANGE

**SURFACE MOUNT**



FREQUENCY RANGE (MHz)		CONVERSION LOSS (dB)		LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			PACKAGE	PIN OUT	MODEL
RF/LO	IF	XMB TYP/MAX	FULL BAND TYP/MAX	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN	LB TYP/MIN	MB TYP/MIN	UB TYP/MIN			
0.5 - 500	DC - 500	5.4/7	6/8	58/45	44/25	30/20	55/40	40/25	28/17	159	1	SLD-K1L*
0.5 - 500	DC - 500	5.4/7	6/8	58/45	44/25	30/20	55/40	40/25	28/17	134	1	SMD-K1L*
0.5 - 500	DC - 500	5.4/7	6/8	58/45	44/25	30/20	55/40	40/25	28/17	134J	1	SMZ-K1L*
5 - 1000	DC - 1000	6.4/8	7/9.5	58/40	39/20	22/16	52/30	30/17	18/11	159	1	SLD-K2L*
5 - 1000	DC - 1000	6.4/8	7/9.5	58/40	39/20	22/16	52/30	30/17	18/11	134	1	SMD-K2L*
5 - 1000	DC - 1000	6.4/8	7/9.5	58/40	39/20	22/16	52/30	30/17	18/11	134J	1	SMZ-K2L*
5 - 1500	DC - 900	6.5/8	7.6/9.8	58/35	38/20	25/18	56/30	38/14	17/6	159	1	SLD-K3L*
5 - 1500	DC - 900	6.5/8	7.6/9.8	58/35	38/20	25/18	56/30	38/14	17/6	134	1	SMD-K3L*
5 - 1500	DC - 900	6.5/8	7.6/9.8	58/35	38/20	25/18	56/30	38/14	17/6	134J	1	SMZ-K3L*
5 - 2500	3 - 600	8/9.5	10.5/12	60/35	40/25	35/20	50/35	30/20	25/15	159	1	SLD-K4L
5 - 2500	3 - 600	8/9.5	10.5/12	60/35	40/25	35/20	50/35	30/20	25/15	134	1	SMD-K4L
5 - 2500	3 - 600	8/9.5	10.5/12	60/35	40/25	35/20	50/35	30/20	25/15	134J	1	SMZ-K4L
2-600	DC-600	5.5/7	7/8	60/50	42/30	37/25	60/45	47/30	36/22	106B	2	TOP-1LZ
50-1000	DC-1000	6/7	7.8/9	58/45	45/30	38/25	50/35	40/20	35/18	106B	2	TOP-2LZ
20-1500	DC-1000	7.5/8	8.5/9	54/40	42/30	39/25	40/25	32/18	23/8	106B	2	TOP-5LZ
10 - 1500	DC - 1500	6/7	6/10	45/40	35/30	25/20	40/35	35/25	20/12	101	3	CLF-1B5

**NOTES:**

- \* Phase Detection, Polarity Positive
- 1. 1dB Compression Point = +5 dBm (Typ)
- 2. IP3 (Input) = +18 dBm (Typ)
- 3. Maximum Input Power without damage = 200 mW ave. cw

XMB = 2LF to HF/2  
 FULL BAND = LF to HF  
 LB = LF to 10LF  
 MB = 10LF to HF/2  
 UB = HF/2 to HF

**PIN-OUT TABLE**

	RF	LO	IF	GND	CASE GND
#1	4	1	5	2, 3, 6	--
#2	1	4	2	3	3
#3	1	4	5	All Others	All Others

GND = Ground externally  
 For pin location and package outline drawings, see back pages.