

MIXERS

DOUBLE -BALANCED

$LO = +13 \text{ dBm}$

HIGH DYNAMIC RANGE

SURFACE MOUNT



106B



134



134J



159

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	5.5/7	6.0/8.5	55/50	35/25	30/20	55/45	30/25	25/20	159	1	SLD-K1RM*
0.5 - 500	DC - 500	5.5/7	6.0/8.5	55/50	35/25	30/20	55/45	30/25	25/20	134	1	SMD-K1RM*
0.5 - 500	DC - 500	5.5/7	6.0/8.5	55/50	35/25	30/20	55/45	30/25	25/20	134J	1	SMZ-K1RM*
5 - 1000	DC - 1000	6.5/8	7/9	60/40	40/20	25/20	55/30	30/20	20/12	159	1	SLD-K2RM*
5 - 1000	DC - 1000	6.5/8	7/9	60/40	40/20	25/20	55/30	30/20	20/12	134	1	SMD-K2RM*
5 - 1000	DC - 1000	6.5/8	7/9	60/40	40/20	25/20	55/30	30/20	20/12	134J	1	SMZ-K2RM*
10 - 1000	20 - 500	6.5/8	7.5/9.5	52/40	43/30	33/25	53/30	44/25	39/22	159	1	SLD-K2URM*
10 - 1000	20 - 500	6.5/8	7.5/9.5	52/40	43/30	33/25	53/30	44/25	39/22	134	1	SMD-K2URM*
10 - 1000	20 - 500	6.5/8	7.5/9.5	52/40	43/30	33/25	53/30	44/25	39/22	134J	1	SMZ-K2URM*
5 - 1500	DC - 1000	6.5/8	7.5/9.5	60/40	40/20	30/18	55/30	30/18	15/8	159	1	SLD-K3RM*
5 - 1500	DC - 1000	6.5/8	7.5/9.5	60/40	40/20	30/18	55/30	30/18	15/8	134	1	SMD-K3RM*
5 - 1500	DC - 1000	6.5/8	7.5/9.5	60/40	40/20	30/18	55/30	30/18	15/8	134J	1	SMZ-K3RM*
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-K4RM
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-K4RM
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-K4RM
2-600	DC-600	5.5/7	7/8	60/50	42/30	37/25	60/45	47/30	36/22	106B	2	TOP-1RMZ
50-1000	DC-1000	6/7	7.8/9	58/45	45/30	38/25	50/35	40/20	35/18	106B	2	TOP-2RMZ
20-1500	DC-1000	7.5/8	8.5/9	54/40	42/30	39/25	40/25	28/18	20/8	106B	2	TOP-5RMZ

NOTES:

* Phase Detection, Polarity Positive

1. 1dB Compression Point = +7 dBm (Typ)

2. IP3 (Input) = +20 dBm (Typ)

3. Maximum Input Power without damage = 250 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

GND = Ground externally

For pin location and package outline drawings, see back pages.

MIXERS

DOUBLE -BALANCED

$LO = +13 \text{ dBm}$

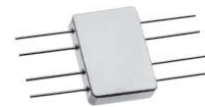
HIGH DYNAMIC RANGE

THROUGH HOLE (RELAY)



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	5.5/7	6.5/8.5	50/45	45/30	35/25	45/35	40/25	30/20	102	1	CMP-2D3
1-500	DC-500	5.5/7.5	6.5/8.5	50/35	45/30	35/25	35/30	40/25	30/20	120	2	CMP-2C3*
10-2000	DC-600	7/8.5	7.5/9	55/45	45/30	40/30	50/45	35/30	35/25	102	3	CMP-256
1-250	DC-200	5/7	6/8.5	50/45	40/30	28/23	45/40	35/25	26/20	106	4	CMP-3H2
2-500	DC-500	6/7.5	7/8.5	50/45	40/30	30/20	45/40	35/25	25/20	106	4	CMP-3H3

FLAT-PACK



FREQUENCY RANGE (MHz)		CONVERSION LOSS (dB)		LO-RF ISOLATION (dB)			LO-IF ISOLATION (dB)			OUTLINE DRAWING	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	6/7	7/9	45/40	45/40	40/30	45/40	40/35	35/25	101	5	CMF-1A3

COAXIAL



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 - 2000	0.2 - 600	5.8/8	7.2/9.5	60/45	35/30	30/25	55/40	30/25	25/20	110	4	CMK-7A6S

NOTES:

- 1dB Compression Point = +7 dBm (Typ)
- IP3 (Input) = +18 dBm (Typ)
- Maximum Input Power without damage = 250 mW ave. cw

* Non-Hermetic

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	1	8	*3,4	2,5,6,7	2
#2	1	8	*3,4	2,5,6,7	--
#3	1	8	3	2,5,6,7	2,5,6,7
#4	1	4	2	3	3
#5	1	4	5	All Other	All Other

GND = Ground externally

For pin location and package outline drawings, see back pages.