

MIXERS

DOUBLE -BALANCED

SOURCE-LINE (LOW COST)



102



106



116



120

FREQUENCY RANGE (MHz)		CONVERSION LOSS (dB)		LO DRIVE (dBm)	1dB COMP. (dBm) TYP	IP3 (dBm) TYP	ISOLATION L-R (dB)			ISOLATION L-I (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			
0.15-400	DC-400	5/7	5.5/8	+7	+1	+13	60/50	46/30	35/25	60/40	47/25	35/20	106	6	TOP-3
.5-500	DC-500	5.5/7	6.5/8.5	+7	0	+13	50/45	45/30	35/25	45/35	40/25	30/20	102	2	S-3
.5-500	DC-500	5.5/7.5	6.5/8.5	+17	9	+22	55/45	45/30	45/25	45/35	40/30	30/20	102	2	S-3H
.5-500	DC-500	5.5/7	6.5/8.5	+7	0	+13	50/45	45/30	35/25	45/35	40/25	30/20	102	3	S-3Z
.5-800	DC-800	5.5/7	6/8.5	+17	+9	+22	70/40	45/35	40/30	60/40	40/30	30/25	102	7	S-7H
.5-500	DC-500	5.5/7	6.5/8.5	+7	+1	+13	50/45	45/30	35/25	45/35	40/25	30/20	102	2	S-8
1-500	DC-500	5.5/7	6.5/8	+7	0	+13	60/45	45/35	40/25	45/35	40/25	30/20	120	1	S-1**
1-500	DC-500	5.5/7	6.5/8	+17	+6	+21	60/45	45/35	40/25	45/35	40/25	30/20	120	1	S-1H**
1-500	DC-500	6/7.5	7/8.5	+7	0	+13	60/45	45/35	40/25	45/35	40/25	30/20	120	1	S-2**
1-600	DC-600	5.5/7	6/8.5	+7	0	+13	50/30	35/25	30/20	45/35	30/20	25/15	116	5	S-5**
1-1000	DC-1000	7/8	8/9.8	+7	0	+13	60/40	35/18	26/16	50/30	25/17	15/10	116	5	S-5E**
1-1000	DC-1000	6/7.5	7/8.5	+7	0	+13	50/45	40/25	30/25	45/40	35/25	25/20	106	6	S-6
1-1000	DC-1000	6/7.5	7/8.5	+7	0	+13	50/45	40/25	30/25	45/40	35/25	25/20	106	6	S-6P ■
2-600	DC-600	5.5/7	7/8	+7	+1	+13	60/50	42/30	37/25	60/45	47/30	36/22	106	6	TOP-1
10-1000	5-600	6/7.5	7/8	+7	0	+9	50/40	40/30	30/20	50/45	40/35	35/25	120	4	S-4**
10-1000	5-600	6/7.5	7/8	+7	0	+9	50/40	40/30	30/20	50/45	40/35	35/25	120	1	S-4A**
20-1500	DC-1000	7.5/8	8.5/9	+7	+1	+13	54/40	42/30	39/25	40/25	32/18	23/8	106	6	TOP-5
50-1000	DC-1000	6/7	7.8/9	+7	+1	+13	58/45	45/30	38/25	50/35	40/20	35/18	106	6	TOP-2

NOTES:

- Maximum Input Power without damage = 100 mW ave. cw
- Phase Detection, Polarity Positive
- 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	1	8	*3,4	2,5,6,7	2
#3	7	1	*3,4	2,5,6,8	2,5,6
#4	*3,4	8	1	2,5,6,7	2,5,6,7
#5	4	1	5	2,3,6	--
#6	1	4	2	3	3
#7	1	8	*3,4	2,5,6,7	2,5,6,7

* Pins must be connected together externally
 GND = Ground externally
 For pin location and package outline drawings, see back pages.