



ANZAC RF & CELLULAR COMPONENTS

Low Cost Frequency Mixers

LEVEL 7 (+7 dBm LO, up to +1dBm RF)

MODEL NO.	FREQUENCY MHz		CONVERSION LOSS dB		LO-RF ISOLATION dB			LO-IF ISOLATION dB			CASE	PIN OUT	UNIT PRICE (\$) (1 - 9)
	LO/RF	IF	Mid-Band	Total Range	L	M	U	L	M	U			
	FL-Fu		m	Typ. Max.	Typ. Max.	Typ. Min	Typ. Min	Typ. Min	Typ. Min	Typ. Min			
EASK-1	1.0 - 600	DC - 600	5.5 7.0	6.0 8.5	50 30	35 25	30 20	45 35	30 20	25 15	SM5	9	6.80
EMTS-1	1.0 - 600	DC - 600	6.0 7.5	6.5 8.5	60 45	45 35	35 25	55 45	40 30	35 25	R7	3	19.75
EMTS-2	1.0 - 1000	DC - 1000	6.0 7.5	7.0 10.0	55 45	40 20	35 18	50 40	40 20	25 18	R7	3	20.75
EMTS-3	0.1 - 500	DC - 500	5.3 7.5	6.5 8.5	60 50	50 35	35 25	55 45	45 30	35 25	R7	3	21.75
EMTS-5	5.0 - 1500	DC - 1000	6.5 8.5	8.0 9.5	60 45	35 25	30 25	60 45	35 25	25 16	R7	15	27.75
EMT-2	1.0 - 1000	DC - 1000	6.0 7.5	7.0 8.5	50 45	40 25	30 25	45 40	35 25	25 20	R3	4	13.75
EMT-3	0.04 - 400	DC - 400	5.3 7.0	6.0 8.0	60 50	50 35	35 25	55 40	45 30	35 25	R3	4	21.25
EMT-4	5.0 - 1250	DC - 1250	6.0 7.5	7.5 8.5	50 45	40 30	30 25	45 40	35 25	25 20	R3	4	23.25
EMT-6	5.0 - 1500	DC - 1000	6.5 8.5	8.0 9.5	60 45	35 25	30 25	60 40	35 15	25 14	R3	8	25.25
EMT-11	1.0 - 2000	5.0 - 600	7.0 8.5	7.5 9.0	50 45	35 25	25 10	45 40	27 20	25 20	R3	4	47.25
EMT-27	800.0 - 2700	DC - 400	— —	8.0 10.0	40 20	30 20	30 20	30 10	25 10	25 10	R3	4	47.90
EMT-27X	800.0 - 2700	DC - 400	— —	8.0 10.0	40 20	30 20	30 20	30 10	25 10	25 10	R8	13	55.10
EMAZ-1	0.5 - 500	DC - 500	5.5 7.0	6.5 8.5	50 45	45 30	35 25	45 35	40 25	30 20	C9†	12	43.75
EMAZ-2	1.0 - 1000	0.5 - 500	5.5 7.5	6.5 8.5	45 30	35 20	30 20	45 30	35 20	30 20	C9†	12	49.75

L = Low Range (FL - 10FL)

M = Mid Range (10FL - Fu/2)

m = Mid Band (2FL - Fu/2)

U = Upper Range (Fu/2 - Fu)

PIN OUT TABLE - FREQUENCY MIXERS

See Case Outline Drawings page

PIN OUT NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
LO	8	8	8	4	3,4*	8	8	1	1	2	8	1	4	8	8	1
RF	1	3,4*	1	1	1	1	1	4	4	1	5	3	1	1	1	8
IF	3,4*	1	3,4*	2	8	3,4*	3	2	5	3	4	2	2	3	3,4*	3
Grnd	2,5,6,7	2,5,6,7	2,5,6,7	3	2,5,6,7	2,5,6,7	2,5,6,7	3	2,3,6	4,5	2,3,6,7	—	3,5,6	2,5,6,7	2,5,6,7	2,5,6,7
Case Grd.	—	2,5,6,7	2	3	2,5,6,7	2,5,6,7	2,5,6,7	3	—	—	2,3,6,7	—	3,5,6	—	2,7	2,5,6,7

*Pins must be connected externally

†Available in BNC, SMA connectors

CASE STYLE: R = RELAY HEADER; SM = SURFACE MOUNT; C = CONNECTORIZED
 PRICES AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

NOTES:

- Absolute maximum ratings:
 RF Power: 50mW (for level 7 and 10)
 200 mW (for level 13 and 17)
 Peak IF Current: 40mA
 Operating and storage temperature: -55°C to +100°C
 Pin temperature (10s): +260°C
- Price and specifications subject to change without notice.

Immediate Delivery from Stock