

Frequency Mixers

T-90-50

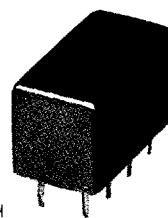
Load Insensitive

UNCL-X1 (+7 dBm LO, up to +1 dBm RF)

UNCL-X1MH (+13 dBm LO, up to +7 dBm RF)

case style selection

outline drawings see Table of Contents

UNCL-X
UNCL-X1MH

MODEL NO.	FREQUENCY MHz		CONVERSION GAIN, dB			LO-RF ISOLATION dB			LO-IF ISOLATION dB			INPUT POWER (dBm)	DC POWER	PRICE \$	DISTRIBUTOR	
	LO/RF f _L f _U	IF	Mid Band x̄ σ	Total Range Min.	L Typ.	M Min.	U Typ.	L Typ.	M Min.	U Typ.	1 dB Comp Typ.	Volt	Current (mA)	Qty. (1-9)	FACTORY	LOCAL
UNCL-X case A01	UNCL-X1	1-500 10-500	1.57 .05	-1.0	60 40	30 25	25 20	50 30	30 20	26 18	1	12 36	23.95	●	●	
	UNCL-X1MH	1-500 10-500	2.41 .015	0.5	60 40	35 25	30 20	50 30	25 18	18 14	7	12 60	27.95	●	●	

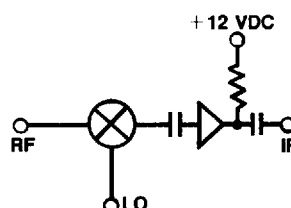
L=low range (f_L to $10 f_L$)M=mid range ($10 f_L$ to $f_U/2$)U=upper range ($f_U/2$ to f_U)

features

2-tone 3rd-order IM

insensitive to IF load

VSWR 1.2:1, IF/RF ports



Low Noise (4.3 dB typ.)

UNCL-R1 (+7 dBm LO, up to -10 dBm RF)

UNCL-R1H (+17 dBm LO, up to +1 dBm RF)

case style selection

outline drawings see Table of Contents

UNCL-R1
UNCL-R1H

		FREQUENCY MHz		CONVERSION GAIN, dB				LO-RF ISOLATION dB				LO-IF ISOLATION dB				INPUT POWER (dBm)	DC POWER		PRICE \$	DISTRIBUTOR	
MODEL NO.	LO/RF f _L f _U	IF	Mid Band X̄	Total Range σ	Min.	Typ.	Min.	L Typ.	M Min.	U Typ.	Min.	L Typ.	M Min.	U Typ.	1 dB Comp Typ.	Volt	Current (mA)	Qty. (1-9)	F A C T O R Y	L O C A L	
UNCL-R	UNCL-R1	10-500	DC-500	5.53	.11	2	5	2	65	45	55	40	47	35	40	30	30	20	25	17	
case A01	UNCL-R1H	10-500	DC-500	6.32	.23	3	6	2	65	45	55	40	47	35	40	30	35	25	28	19	

L=low range (f_L to $10 f_L$)M=mid range ($10 f_L$ to $f_U/2$)U=upper range ($f_U/2$ to f_U)