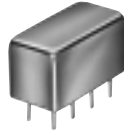


MIXERS/AMPLIFIERS

Plug-In

Low NOISE (4.3 dB typ.) 10 to 500 MHz



UNCL-R1

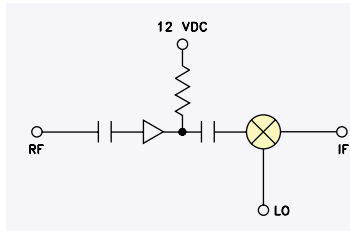
UNCL-R1 (+7 dBm LO, up to -10 dBm RF)

MODEL NO.	FREQUENCY MHz		CONVERSION GAIN, dB				LO-RF ISOLATION, dB			LO-IF ISOLATION, dB			INPUT POWER (dBm) 1 dB Comp Typ.	DC POWER		CASE STYLE	CONNECTOR	PRICE \$							
	LO/RF f_L-f_U	IF	Mid-Band \bar{x}	σ	Min.	Total Range Typ. Min.	L Typ. Min.	M Typ. Min.	U Typ. Min.	L Typ. Min.	M Typ. Min.	U Typ. Min.		Volt	Current (mA)				Note B	Qty. (1-9)					
UNCL-R1	10-500	DC-500	5.53	.11	2	5	2	65	45	55	40	47	35	40	30	30	20	25	17	-10	12	35	A01	b	25.95

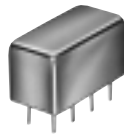
L = low range [f_L to $10 f_L$]

M = mid range [$10 f_L$ to $f_U/2$]
m = mid band [$2f_L$ to $f_U/2$]

U = upper range [$f_U/2$ to f_U]



Low LO DRIVE 10 to 500 MHz

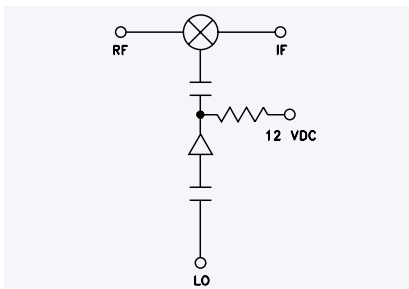


UNCL-L1
UNCL-L1H

UNCL-L1 (-4 dBm LO, up to 1 dBm RF)

UNCL-L1H (+6 dBm LO, up to 14 dBm RF)

MODEL NO.	FREQUENCY MHz		CONVERSION LOSS, dB				LO-RF ISOLATION, dB			LO-IF ISOLATION, dB			INPUT POWER (dBm) 1 dB Comp Typ.	DC POWER		CASE STYLE	CONNECTOR	PRICE \$						
	LO/RF f_L-f_U	IF	Mid-Band \bar{x}	σ	Max.	Total Range Max.	L Typ. Min.	M Typ. Min.	U Typ. Min.	L Typ. Min.	M Typ. Min.	U Typ. Min.		Volt	Current (mA)				Note B	Qty. (1-9)				
UNCL-L1	10-500	DC-500	5.73	.08	8.0	8.5	45	30	35	20	25	17	32	20	23	15	18	12	1	12	35	A01	c	25.95
UNCL-L1H	10-500	DC-500	5.73	.07	8.0	8.5	45	25	36	20	24	17	32	18	25	15	18	10	14	12	60	A01	c	29.95



NSN GUIDE

MCL NO. NSN
UNCL-X1MH 5895-01-391-0040

NOTES:

- \bar{x} Average of conversion loss at center of mid-band frequency ($f_L + f_U/4$)
- σ Standard deviation
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel and MIL description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case Styles & Outline Drawings".
- C. Prices and Specifications subject to change without notice.

pin connections

PORT	b	c
LO	7	1
RF	1	7
IF	8	8
DC	4	4
GND EXT.	3,5,6	3,5,6
CASE GND	3,5,6	3,5,6
NOT USED	2	2



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