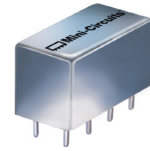


Level 7 (LO Power +7 dBm) 5 to 1000 MHz



CASE STYLE: A01

Price: Contact Sales Dept.

+RoHS Compliant

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

Operating Temperature	-55°C to 100°C
Storage Temperature	-55°C to 100°C
RF Power	50mW
IF Current	40mA

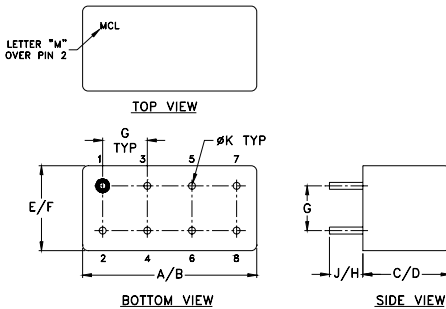
Permanent damage may occur if any of these limits are exceeded.

Pin Connections

LO	8
RF	1
IF	3,4 [^]
GROUND	2,5,6,7
CASE GROUND	2,5,6,7

[^] pins must be connected together externally

Outline Drawing



Outline Dimensions (inch/mm)

A	B	C	D	E	F
.770	.800	.385	.400	.370	.400
19.56	20.32	9.78	10.16	9.40	10.16
G	H	J	K	wt	
.200	.20	.14	.031	grams	
5.08	5.08	3.56	0.79	5.2	

Features

- excellent conversion loss, 5.27 dB typ.
- good L-R isolation, 35 dB typ. L-I isolation, 30 dB typ.
- rugged welded construction
- hermetic

Applications

- VHF/UHF
- cellular
- defense & federal communications
- ISM/GSM

Electrical Specifications

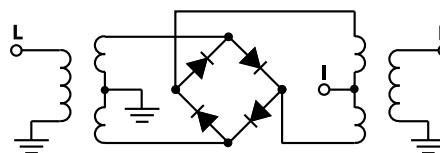
FREQUENCY (MHz)		CONVERSION LOSS (dB)				LO-RF ISOLATION (dB)						LO-IF ISOLATION (dB)					
LO/RF f _L -f _U	IF	Mid-Band m		Total Range Max.	Total Range Max.	L		M		U		L		M		U	
		\bar{X}	σ			Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Min.
5-1000	DC-1000	5.27	.04	7.0	8.5	60	50	35	30	30	25	50	45	30	25	25	20

1 dB COMP.: +1 dBm typ. 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]
m= mid band [2f_L to f_U/2]

Typical Performance Data

Frequency (MHz)		Conversion Loss (dB)	Isolation L-R (dB)	Isolation L-I (dB)	VSWR RF Port (:1)	VSWR LO Port (:1)
RF	LO	LO +7dBm	LO +7dBm	LO +7dBm	LO +7dBm	LO +7dBm
5.00	35.00	7.36	67.00	67.00	5.03	4.09
38.13	68.13	5.59	54.82	53.34	1.40	3.04
71.27	41.27	5.30	49.15	48.13	1.31	2.99
137.53	107.53	5.33	46.10	45.22	1.27	2.83
200.00	170.00	5.35	42.68	41.91	1.24	2.82
236.93	206.93	5.27	41.09	40.29	1.24	2.72
303.20	273.20	5.28	39.42	38.94	1.24	2.76
336.33	306.33	5.42	39.72	36.88	1.26	2.77
402.60	372.60	5.63	38.13	35.49	1.30	2.85
468.86	438.86	5.62	37.15	35.09	1.37	2.84
535.13	505.13	5.87	35.49	32.57	1.45	2.97
568.26	538.26	6.01	35.26	31.27	1.50	2.96
634.53	604.53	6.17	36.03	29.46	1.61	3.10
700.79	670.79	6.68	38.00	30.29	1.70	3.21
767.06	737.06	6.49	38.00	29.92	1.85	3.09
800.19	770.19	6.11	39.26	28.34	2.01	3.03
833.33	803.33	6.37	39.87	27.52	2.08	3.08
899.59	869.59	6.80	40.23	26.99	2.32	3.39
965.86	935.86	6.86	42.61	25.65	2.53	3.58
1000.00	969.00	7.10	44.90	24.17	2.76	3.76

Electrical Schematic



Notes

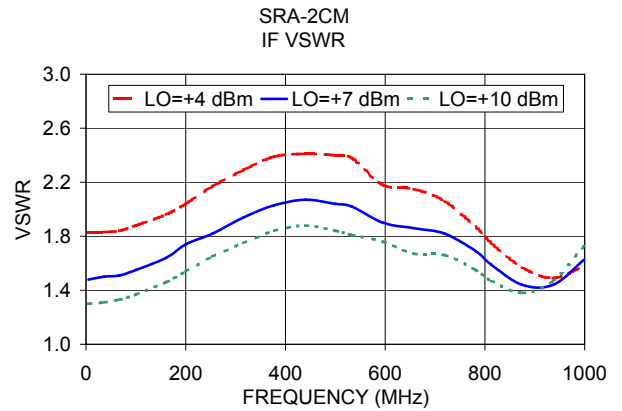
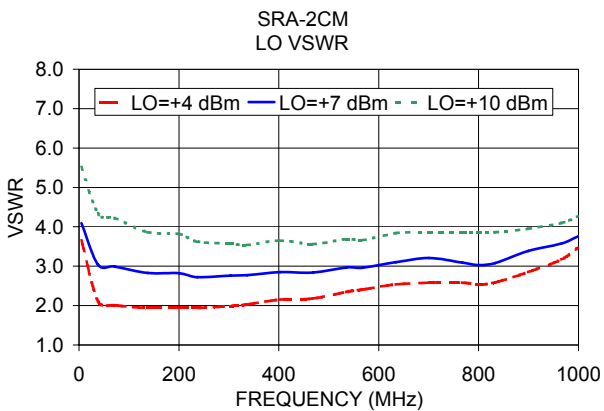
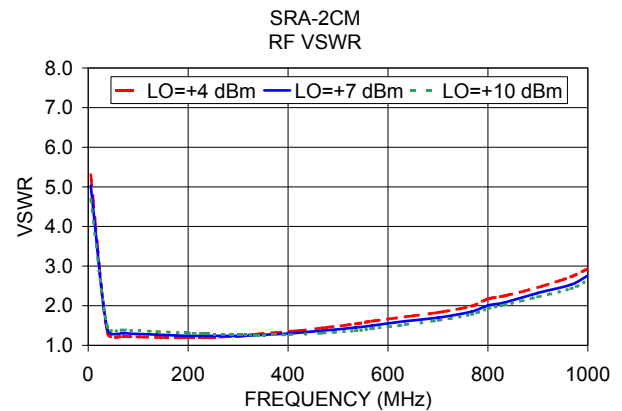
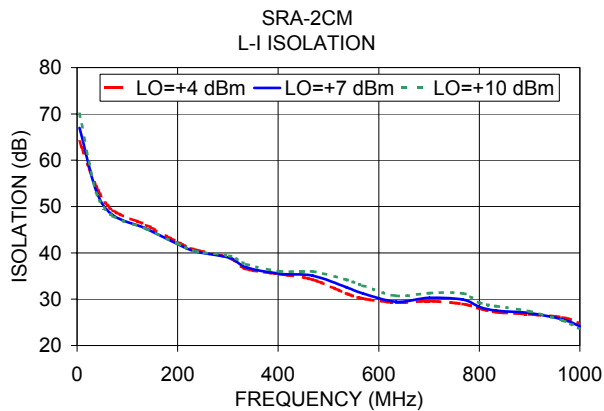
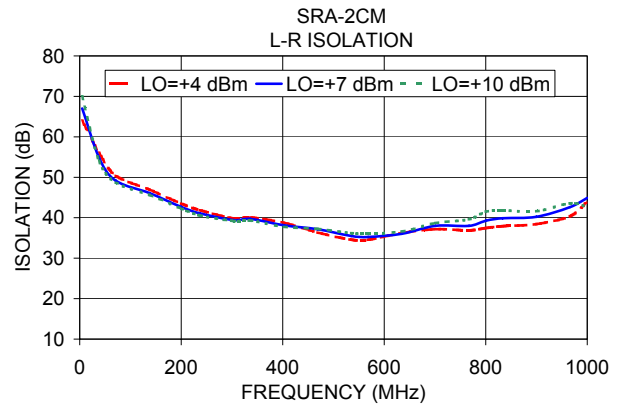
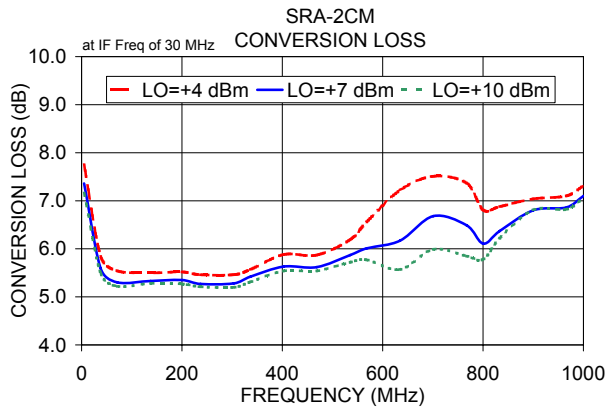
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NON-CATALOG

Performance Charts

SRA-2CM+



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