

50Ω Output 20 to 1600 MHz

Permanent damage may occur if any of these limits are exceeded

[^] pins must be connected together externally

Figure 1 is a mechanical drawing of a rectangular component, showing three views: TOP VIEW, BOTTOM VIEW, and SIDE VIEW.

TOP VIEW: A rectangle with overall dimensions A/B (width) and E/F (height). It features a central hole with diameter $\varnothing K$ and four corner holes with diameter $\varnothing J$. The top view is divided into sections by dimension lines labeled 1, 3, 5, and 7. A label "LETTER 'M' OVER PIN 2" points to a feature on the top view.

BOTTOM VIEW: A rectangle with overall dimensions A/B (width) and E/F (height). It features a central hole with diameter $\varnothing K$ and four corner holes with diameter $\varnothing J$. The bottom view is divided into sections by dimension lines labeled 2, 4, 6, and 8.

SIDE VIEW: A rectangle with overall dimensions G (height) and J/H (width). It features a central hole with diameter $\varnothing K$ and four corner holes with diameter $\varnothing J$. The side view is divided into sections by dimension lines labeled 1, 3, 5, and 7.

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

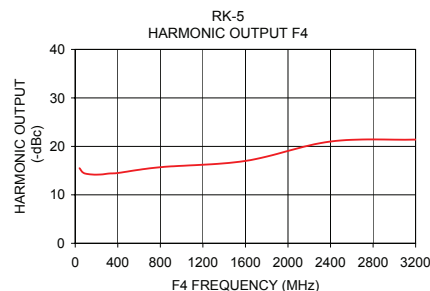
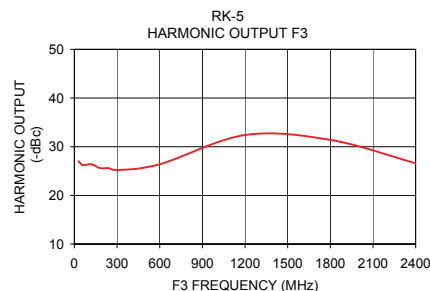
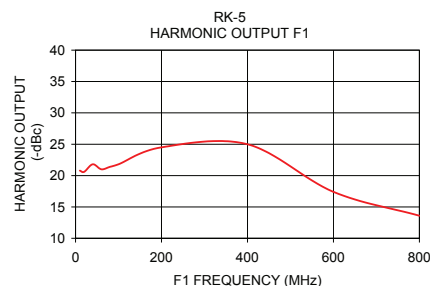
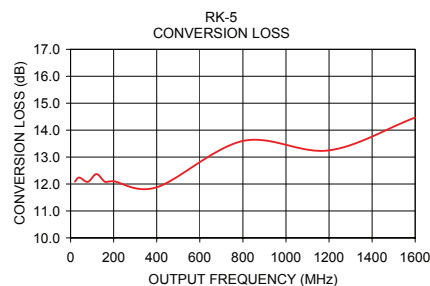
- wideband, 20 to 1600 MHz
- low conversion loss, 12.5 dB typ.
- hermetic case

- synthesizers
- local oscillators
- military, hi-rel applications

Multiplication Factor	Frequency (MHz)		Input Power (dBm)		Conversion Loss (dB)		*Harmonic Output (dBc)					
							F1		F3		F4	
	F1 Input	F2 Output	Min.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.
2	10-100	20-200	10	20	13.0	15.0	20	12	25	20	15	12
	100-400	200-800	10	20	12.5	16.0	20	12	30	20	15	12
	400-800	800-1600	10	20	13.0	16.0	20	12	25	18	15	10

* Harmonics of input frequency below the power level of F2

Input Frequency (MHz)	Conversion Loss (dB)	Harmonic Output (-dBc)		
	F2	F1	F3	F4
10.00	12.09	20.80	27.00	15.50
20.00	12.24	20.60	26.20	14.50
40.00	12.08	21.80	26.40	14.20
60.00	12.37	21.00	25.60	14.20
80.00	12.08	21.40	25.60	14.40
100.00	12.10	21.80	25.20	14.50
200.00	11.88	24.50	26.40	15.70
400.00	13.60	25.00	32.40	17.00
600.00	13.25	17.40	31.40	21.00
800.00	14.47	13.60	26.60	21.40



Notes

A. Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
B. Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp

REV. B
M126372
RK-5
AD/CP/AM
100215



CASE STYLE: A01

PRICE: \$55.70 ea. QTY (1-9)

+RoHS Compliant

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