

X5 Frequency Multiplier

RMK-5-13+

50Ω Output 750 to 1000 MHz

The Big Deal

- Broadband, 750 to 1000 MHz output
- Good harmonic suppression:
F4, 63 dBc; F6, 68 dBc
- Small size, 0.25 x 0.31 x 0.16"



CASE STYLE: TT1224

Product Overview

i-Circuits' RMK-5-13+ frequency multiplier provides a multiplication factor of 5, converting input frequencies from 150 to 200 MHz into output frequencies from 750 to 1000 MHz, supporting applications including synthesizers, local oscillators, satellite up and down converters and more. The unit supports signal input power of +17 dBm with 21.2 dB conversion loss and very good harmonic suppression. The multiplier comes housed in a miniature surface-mount package (0.25 x 0.31 x 0.16") ideal for dense circuit board layouts.

Key Features

Feature	Advantages
Low conversion loss, 21.2 dB	With a low conversion loss, the unit produces higher output power, reducing the need for amplification.
Very good harmonic suppression • F4, 63 dBc • F6, 68 dBc	Reduces spurious signals and the need for additional filtering.
Low cost	Provides an easy, cost-effective solution for generating high-frequency signals from a lower frequency signal source.
Small size	Measuring only 0.25 x 0.31 x 0.16", the RMK-5-13+ saves space in crowded PCB layouts.

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



RMK-5-13+

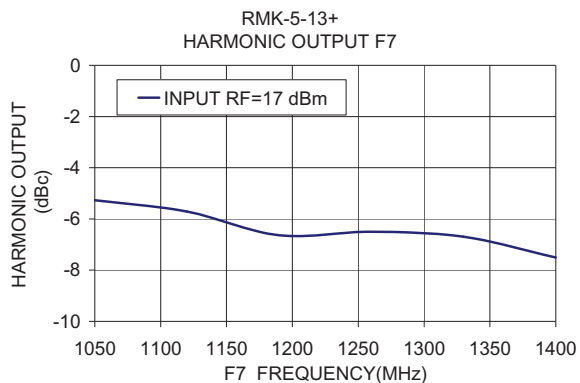
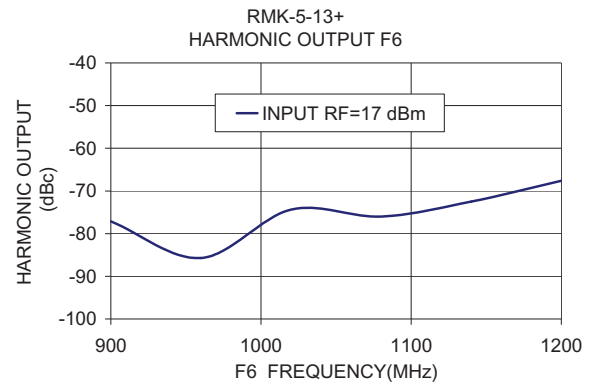
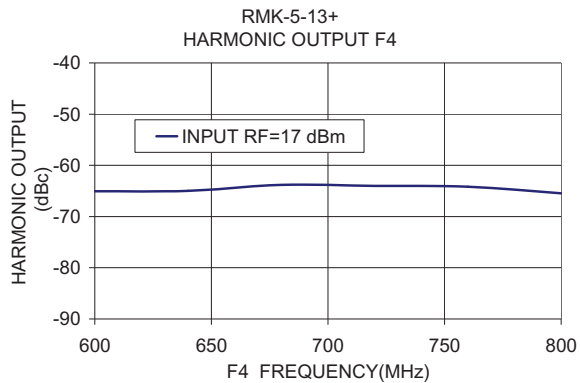
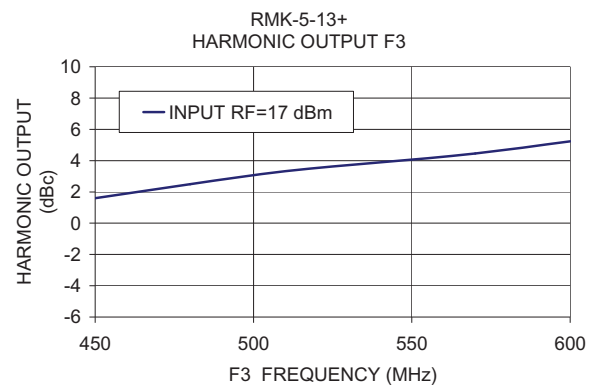
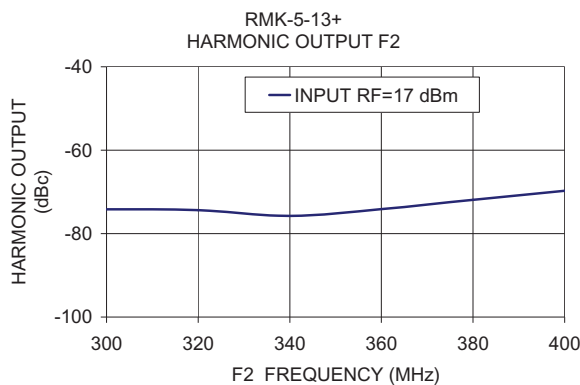
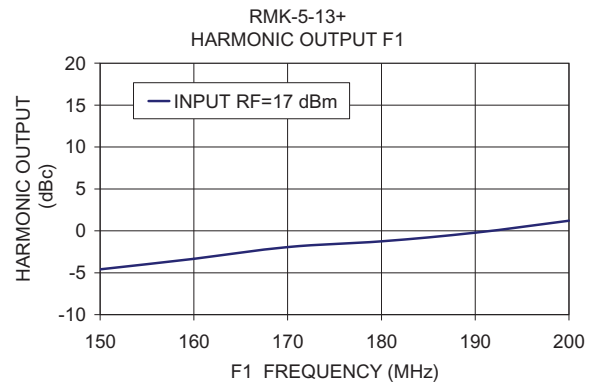
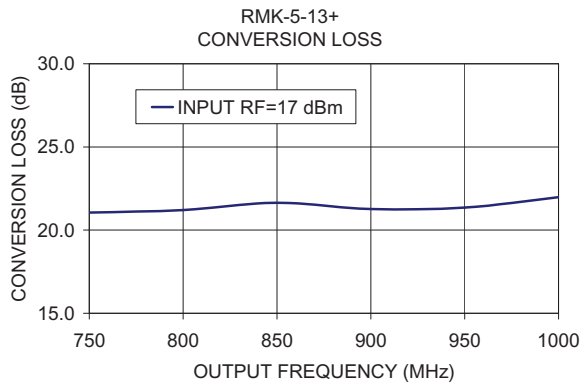


+RoHS Compliant

Reel Size	Devices/Reel
7"	10, 20, 50, 100, 200
13"	500

REV. A
M151107
ED-14730
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AV/CP/AM
200813
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