

X3 Frequency Multiplier

RMK-3-332+

50Ω Output 2100 to 3300 MHz

The Big Deal

- Wideband, 2100 to 3300 MHz output
- Wide input power range, +10 to +15 dBm
- Low conversion loss, 15 dB typ.
- Excellent harmonic suppression, 40 dBc typ.



CASE STYLE: TT1224

Product Overview

Mini-Circuits' RMK-3-332+ is a surface mount frequency multiplier with a multiplication factor of 3, converting input frequencies of 700 to 1100 MHz into output frequencies of 2100 to 3300 MHz. It provides a wide input power range, low conversion loss and excellent suppression of adjacent harmonics. The multiplier comes housed in a miniature surface-mount package (0.25 x 0.31 x 0.16") ideal for dense circuit board layouts.

Feature	Advantages
Wideband, 2100 – 3300 MHz output	With an output frequency range spanning 2100 to 3300 MHz, this multiplier covers a wide range of applications.
Low conversion loss, 15 dB typ.	Low conversion loss results in higher output signal power, reducing the need for amplification at later stages.
Excellent harmonic suppression: • F2, 40 dBc typ. • F3, 37 dBc typ.	Reduces spurious signals and the need for additional filtering. Helps avoid spectral regrowth in multiple-channel systems.
Wide input power range, +10 to +15 dBm	Wide input power signal range accommodates different input signal levels while still maintaining a low conversion loss.
Low cost	Provides an easy, cost-effective solution for generating high-frequency signals from a lower frequency signal source.
Small size, 0.25 x 0.31 x 0.16"	Saves space in dense circuit board 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-3-332+

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

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

REV. A
M151107
ED17136/1
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LC/CP/AM
200813
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