

X3 Frequency Multiplier

RMK-3-722+

50Ω Output 4575 to 7200 MHz

The Big Deal

- Broadband, output frequency 4575 to 7200 MHz
- High rejection of adjacent harmonics, 55dB below the carrier, F3
- Small package size, 0.25" x 0.3"
- Low cost \$6.45, quantity of 1000



CASE STYLE: TT1224

Product Overview

The RMK-3-722+ is a self contained frequency tripler that does not require external components. It is constructed using a specially designed diode quad ring configuration to enable high rejection of adjacent harmonics. The tripler is packaged in a miniature 0.3" x 0.25" case, with wrap-around terminations to enable convenient high density assembly.

Key Features

Feature	Advantages
Broadband frequency tripler Input 1525 to 2400 MHz Output 4575 to 7200 MHz	Enables the use of low frequency VCO's and Synthesizers to provide high frequency sources at low cost.
Low conversion loss, 14 dB	Enables output power to be sufficiently high so that amplifier gain requirements following the tripler is reduced.
High rejection of adjacent harmonics, F2 and F4, 55 dB	Extremely high rejection of F2 and F4 harmonics enables a significant reduction of unwanted signals without the need for filters.
Low cost	Enables a practical solution to achieve high frequency sources from low cost, lower frequency VCO's and synthesizers.

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.
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