

Mini-Circuits Releases Industry Leading X3 Passive Multipliers

RMK PRODUCT SERIES



Ideal for Microwave Markets and Applications

The RMK Series multipliers are ideally suited for extending the useable frequency range of any Frequency Sources (synthesizers, VCO's, etc.). They offer outstanding rejection of 2nd and 4th Harmonics (>45 dBc) and are available in small surface mount packages and are ideally suited for several key markets:

- Satellite Communications
- Defense Electronics
- Pt-Pt Microwave
- Test and Measurement Equipment

X3 Multipliers A Circuit Designer's Delight...

Mini-Circuits RMK Series X3 multipliers offer significant advantages relative to X2 multipliers in that they enable the use of lower frequency VCO's

A RMK series multiplier is an ideal replacement to the following multiplier alternatives:

1. Extracting X3 from an X2 Multiplier – extremely high conversion loss
2. Using X2 cascaded with X2, inter-stage filtering and gain
3. Using a higher frequency fundamental VCO and X2 multiplier

EXAMPLE:

Satellite Communications Ku Band Synthesizer

Required output Frequency: 12.9 to 13.7 GHz

OPTIONAL APPROACHES:

Multiplier	Req'd VCO	Conv.Loss
X2	6450 to 6850 MHz	11 dB
RMK-3-153+	4300 to 4567 MHz	17 dB
X2 plus X2	3225 to 3425 MHz	22 dB

Eleven New Designs

The eleven new designs cover output frequency ranges from 300 MHz to 12600 MHz.

Model	Output Frequency Range
RMK-3-14+	6600 to 10005 MHz
RMK-3-93+	5400 to 9000 MHz
RMK-3-122+	900 to 1200 MHz
RMK-3-123+	6600 to 12000 MHz
RMK-3-153+	7800 to 15000 MHz
RMK-3-451+	300 to 450 MHz
RMK-3-662+	4800 to 6600 MHz
RMK-3-722+	4575 to 7200 MHz
RMK-3-812+	5400 to 8100 MHz
RMK-3-1052+	6600 to 10500 MHz
RMK-3-1262+	6750 to 12600 MHz