

# KB Series

## PRODUCT SERIES OVERVIEW

# K / Ka-Band, Programmable Frequency Synthesizer

## 18 to 40 GHz (In-Bands)

### FEATURES

- Programmable Frequencies from 18 to 40 GHz (In-Bands)
- Output Power to +20 dBm Available
- Optional Internal Reference



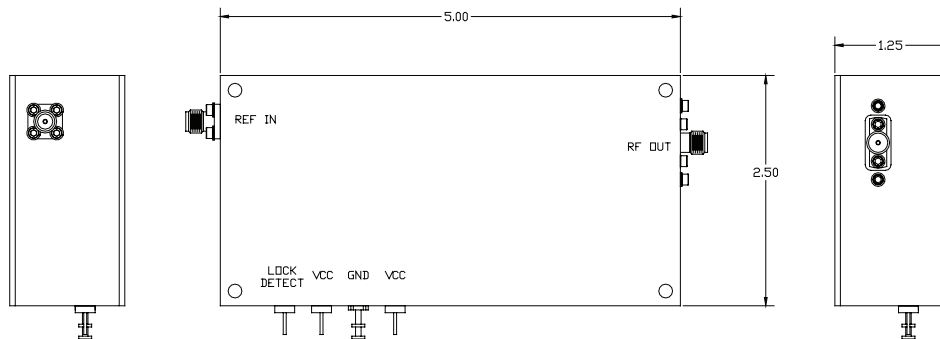
Custom Designs Available

### SPECIFICATIONS

Frequency Range .....	18 to 40 GHz	Phase Noise (dBc/Hz)	40 GHz
Bandwidth .....	≤15%	1 KHz Offset .....	<-82
Step Size .....	down to 1 KHz	10 KHz Offset .....	<-83
External Reference .....	5 to 200 MHz	100 KHz Offset .....	<-90
Internal Reference (Optional) .....	±2.5 ppm, Stability	1 MHz Offset .....	<-116
Power Output .....	up to +20 dBm	Temperature Ranges (Operating)	
Harmonics .....	<-15 dBc	Standard .....	0°C to +50°C
Spurs .....	<-50 dBc	Other Available Ranges .....	-20°C to +60°C
Supply Options .....	+5, +8, +12 VDC	.....	-30°C to +70°C
Current .....	≤750 mA	.....	-40°C to +85°C
Package Size .....	5" x 2.5" x 1.25"		
.....	(127 x 63.5 x 31.75)mm		

Note: All specifications are typical unless otherwise specified and subject to change without notice. Not all performance parameters are available in combination with certain specifications. E.G. Not all power output levels are available at all frequency ranges.

### PACKAGE OUTLINE



- Notes:
1. All dimensions are in inches unless otherwise specified.
  2. Diagrams and pictures shown are examples only.

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