

Features

- High Dynamic Range
- Low Spurious Output
- Modular Design
- Selectable Reference
- Variable Gain



UCEKA Series

Description

These units are typically used for high resolution radar applications. The UCEKA series provides a means of translating Ku-Band frequencies to Ka-Band. The RF output of these up converters is suitable for input into a high power solid state amplifier or traveling wave tube.

Specifications

TYPICAL PARAMETERS	MODEL NUMBER
	UCEKA
Input Frequency (GHz)	12 - 27
Output Frequency (GHz)	27 - 40
Bandwidth (MHz)	500 - 800
Gain (dB) (per requirement)	-20 to +40
Input Power Level (dBm)	0
1 dB Compression Point (dBm)	+10 to +30
Gain Adjustment (dB)	0 to 30
Noise Figure (max) (dB)	5
VSWR, IF Inputs (max)	2:1
VSWR, RF Outputs (max)	2:1
Spurious Outputs	60 dBc
Temperature Ratings (°C)	
Operating	0 to 70
Storage	-40 to 85