

### Features

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



### Description

#### UCEKU Series

These up converter units are designed to convert S and X-Band signals to Ku-Band frequencies. The UCEKU series has been used in high resolution radar applications. Units can be augmented with variable gain control or other options. The RF output of these units is suitable for input to the UCEKA series.

### Specifications

TYPICAL PARAMETERS	MODEL NUMBER
	UCEKU
Input Frequency (GHz)	2 - 12
Output Frequency (GHz)	12 - 18
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