

### Features

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



### UCEX Series

### Description

The UCEX series has been extensively used in radar applications. As the final stage before transmission or as an intermediate step, the units provide translation between UHF, L, S, and X-Band frequencies. The units can be augmented with variable gain control, tunable output selections, or several other functions. The RF output of these units is suitable for translation to higher frequencies using the UCEKU series.

### Specifications

TYPICAL PARAMETERS	MODEL NUMBER
	UCEX
Input Frequency (MHz)	300 - 4000
Output Frequency (GHz)	8 - 12
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)	1.5:1
VSWR, RF Outputs (max)	2:1
Spurious Outputs	60 dBc
Temperature Ratings (°C)	
Operating	0 to 70
Storage	-40 to 85