

Features

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



Description

DCEVHF Series

The DCEVHF units are typically used as the final stage in a receiver chain. They provide an excellent means to translate standard VHF frequencies to a common HF stage. Several functional and performance options are available for these units. The IF outputs are suitable for direct A/D conversion and video applications.

Specifications

TYPICAL PARAMETERS	MODEL NUMBER
	DCEVHF
Input Frequency (MHz)	30 - 300
Output Frequency (MHz)	3 - 30
Bandwidth (MHz)	3 - 10
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, RF Inputs (max)	1.5:1
VSWR, IF Outputs (max)	1.5:1
Input Band Pass Filter (if required)	Fc = 30 MHz to 300 MHz
Spurious Outputs	60 dBc
Temperature Ratings (°C)	
Operating	0 to 70
Storage	-40 to 85