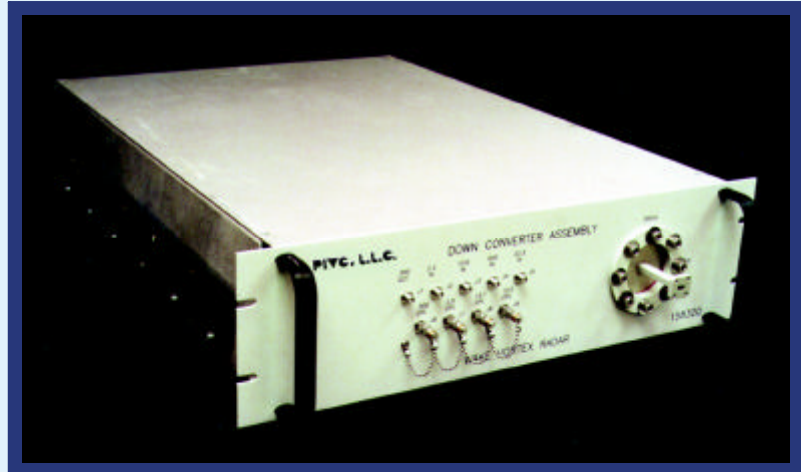


Features

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



DCEKA Series

Description

These down converter units have excellent dynamic range and signal fidelity characteristics. The internal Low Noise Amplifiers, which exhibit a noise figure of 5 dB, allow the units to be used as front end devices for many receiver applications. The Ku-Band output is typically not used as a final output stage, but is normally followed by an additional down conversion stage such as the DCEKU.

Specifications

TYPICAL PARAMETERS	MODEL NUMBER
	DCEKA
Input Frequency (GHz)	27 - 40
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, RF Inputs (max)	2:1
VSWR, IF Outputs (max)	2:1
Input Band Pass Filter (if required)	Fc = 27 GHz to 40 GHz
Spurious Outputs	60 dBc
Temperature Ratings (°C)	
Operating	0 to 70
Storage	-40 to 85