



Ka-BAND DOWN CONVERTER: ICS-DC-KaB-V01S

DESCRIPTION:

The ICS Ka-Band Down converter, Model: ICS-DC-KaB-V01S, operates in the range of 17.7 to 21.2 GHz frequency and converts to IF of 70 MHz +/-20 MHz. The Converter is tunable in steps of 1 KHz and operates on 230 V AC Input. The unit has high stable 10 MHz Reference Oscillator as internal reference. Alternately, it accepts 10 MHz sine wave / clipped sine wave external reference also with auto switching between internal and external reference. The unit has LAN port for remote interface through TCP-IP



FEATURES:

- Double Conversion without Inversion
- LAN Interface for Remote Control
- IF/RF & LO Monitor Point
- HMI Interface
- Provision for 10 MHz. Ext. Ref.
- Indoor Operation
- 19" Rack mountable 1RU Chassis

SPECIFICATIONS:

Down Converter

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|---------------------|--------------------|------------------------|------------------|
| • Input Frequency | : 17700 - 21200MHz | • Ext. Ref: | 0+/-3 dBm; |
| • Output Frequency | : 50 - 90 MHz | • I/O return Loss | : 18-dB Min |
| • Freq. Step Size | : 1kHz | • Operating Tem. Range | : 0 to 50 Deg. C |
| • Small Signal Gain | : 45-dB +/- 2dB | • Operating Supply | : 230V AC, 50 Hz |
| • Level Control | : 20-dB Min | | |

APPLICATIONS: SATCOM, VSAT

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