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Multiband Converters

Multiband to L-Band Block Downconverters

MITEQ

MULTIBAND TO L-BAND BLOCK DOWNCONVERTERS

This series of band-switching block downconverters translates to L-Band. Local control is by a front panel keyboard and remote control is available through a remote interface. Up to 64 double band and attenuation settings may be programmed into a non-volatile memory.

FEATURES

- Automatic 570 MHz intermediate frequency selection
- RS485/S422 remote control
- RS232 signal monitor port
- 30 dB gain control
- Low phase noise
- 64 memory locations
- High frequency stability
- Summary alarm
- CE mark

OPTIONS

- Higher stability reference
- Remote RS232 or 10/100Base-T Ethernet

- Specifications
- Phase Noise
- Options
- Accessories

Multiband to L-Band Block Downconverters



This series of band-switching block downconverters translates to L-band. Local control is by a front panel keyboard and remote control is available through a remote interface. Up to 64 discrete band and attenuation settings may be programmed into a nonvolatile memory.

Input Frequency (GHz)	Output Frequency (GHz)	LO Frequency (GHz)	Model Number
Downconverters			
10.7 – 11.45	0.95 – 1.7	9.75	DNB-3B
11.45 – 12.2	0.95 – 1.7	10.5	
12.2 – 12.75	0.95 – 1.5	11.25	
10.95 – 11.7	0.95 – 1.7	10	DNB-3B-1
11.7 – 12.2	0.95 – 1.45	10.75	
12.2 – 12.75	0.95 – 1.5	11.25	
10.7 – 11.75	0.95 – 2	9.75	DNB-2B
11.7 – 12.75	0.95 – 2	10.75	
3.4 – 4.2	0.95 – 1.75	8.8/11.25	DNB-4B
10.7 – 11.45	0.95 – 1.7	9.75	
11.45 – 12.2	0.95 – 1.7	10.5	
12.2 – 12.755	0.95 – 1.505	11.25	
3.4 – 4.2	0.95 – 1.75	8.8/11.25	DNB-4B-1
10.95 – 11.7	0.95 – 1.7	10	
11.7 – 12.2	0.95 – 1.45	10.75	
12.2 – 12.75	0.95 – 1.5	11.25	
3.4 – 4.2	0.95 – 1.75	5.15*	DNB-4B-IN
10.7 – 11.45	0.95 – 1.7	9.75	
11.45 – 12.2	0.95 – 1.7	10.5	
12.2 – 12.755	0.95 – 1.505	11.25	
3.4 – 4.2	0.95 – 1.75	5.15*	DNB-4B-1-IN
10.95 – 11.7	0.95 – 1.7	10	
11.7 – 12.5	0.95 – 1.75	10.75	
11.955 – 12.755	0.95 – 1.75	11.005	

* Model includes frequency inversion.

Features

- Automatic 5/10 MHz internal/external reference selection
- Three monitor control ports:
 1. Standard RS485/RS422 remote interface which can be substituted with RS232
 2. RS485/RS422 control interface (J7) which can be configured to control an external HPA or as an alternate remote interface
 3. 10/100Base-T Ethernet interface
- RF/IF signal monitor port
- 30 dB gain control
- Low phase noise
- 64 memory locations
- High frequency stability
- Summary alarm
- CE mark

Options

- Higher stability reference
- Remote RS232

