

18-44 GHz Downconverter Module

General Features

- Extend signal generators/spectrum analyzers or VNA's to mm-wave
- Coverage 18 – 330 GHz in standard and custom bands
- Use in upconverter or downconverter mode
- Internal X4 LO or external local oscillator (option)
- High sensitivity, low conversion loss
- Custom models

Specifications 18-44 GHz Downconverter

Model	THZBDC-18-44COAX
Input Frequency (GHz)	18-44
Output IF Frequency (GHz)	DC – 20
Input LO Range (GHz)	4.5-11
LO Power (dBm)	+3 to +7 dBm
LO Damage (dBm)	+ 23
Downconverter conversion loss (dB)	10.0 typical, 14 max
RF input Damage (dBm)	+ 15
LO /IF Connectors	SMA / K (F)
RF Connector	K (F)
Dimensions (mm)	55 x 35 x 15
DC Power (external 240 VAC PSU optional)	5V 0.3A

Notes

1. Compatible with common spectrum analyzers, Vector Network Analyzers, TX RX systems etc.
2. Full band converters are available from 18 to 330 GHz in waveguide bands.
3. Upconverter mode ; can be used as linear upconverter to generate RF signals from microwave local oscillators and IF inputs
4. Upconverter mode ; IF range DC to 20 GHz typical; consult factory
5. **How to make a request:** choose Model, or state frequency range, required interfaces, email to: sales@vivatechthz.com



Figure 1 : 18-44 GHz Downconverter Coaxial Package

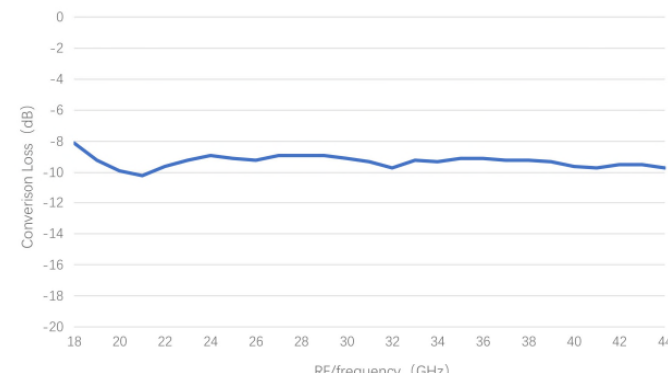


Figure 2 : Downconverter Conversion Loss