



90GHz band Up/Down Converters

MUC/MDC series

Our converters interconverts modulated signals up to 100GHz into the microwave band (several GHz). By combining traditional software radios and other devices, a test environment for 5G/6G and other sub-THz bands can be easily constructed.

【Features】

- Up/Down conversion of broadband modulated signals of 1GHz band to 100GHz.
- Customizable parameters such as frequency, gain, transmit power, etc.
- Combination with optional local signal unit to remove the signal generators.
- Capable of synchronizing to an external reference clock.
- Excellent Amplitude Flatness and Noise Figure characteristics.
- MIMO environment can be supported by using multiple units.



Sample Model	90GHz band		28GHz band	
	Up Converter	Down Converter	Up Converter	Down Converter
RF Frequency	90GHz Band		28GHz Band	
IF Frequency	6GHz Band		6GHz Band	
Bandwidth	1GHz		1GHz	
Local signal	10GHz Band		10GHz Band	
Gain	> 12dB	> 15dB	> 12dB	> 15dB
Flatness *1GHz bandwidth	±3.0dB (max.)		±3.0dB (max.)	

【Sample Setup】

