

Frequency Conversion

Standard Products

Frequency Multipliers

Part Number	Input Freq (GHz)	Output Freq (GHz)	Output Power (dBm)	Multiply Factor	Conversion Gain / Loss (dB)	Package
FM-NC-075225-02	7.5 - 22.5	15 - 45	16	2	10	Connectorized
FM-NC-075112-04	7.5 - 11.25	30 - 45	16	4	20	connectorized

Mixers

Part Number	RF (GHz)	LO (GHz)	IF (GHz)	LO Drive (dBm)	Conversion Gain / Loss (dB)	Package
MX-NO-100440-000140	10 - 44	10 - 44	0 - 14	15	-10.5	Connectorized
MX-NO-110400-000120	11 - 40	11 - 40	0 - 12	15	-10	Connectorized
MX-NC-180460-000200	18 - 46	18 - 46	0 - 20	15	-8.5	Connectorized
MX-VO-550650-000050	55 - 65	27.5 - 32.5	0 - 5	10	-14	Connectorized
MX-VO-710860-000120	71 - 86	34.5 - 44	0 - 12	2		connectorized

Up / Down Converters

Part Number	RF (GHz)	LO (GHz)	IF (GHz)	Conversion Gain/ Loss (dB)	Supply Voltage (V)	No. of Channels	Package
BB-UDC-2444-0014-(S/D)	24 - 44	16 - 32	0.01 - 14	-9	15	Single or Dual	Connectorized
MX-V-5565-5565-0005	55 - 65	55 - 65	0 - 5	-15	12	Single	Connectorized
MX-E-7186-6988-0012	71 - 86	69 - 88	0 - 12	-15	12	Single	Connectorized

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Customization Guideline

If the UP/DOWN Converters listed in the Standard Products does not meet your requirement, try TMYTEK's customization service. We can customize them for you as long as you tell us the following parameters. operation@tmytek.com

Parameter	Unit
RF Frequency	GHz
LO Frequency	GHz
IF Frequency	GHz
LO-IF Isolation	GHz
LO-RF Isolation	GHz
Conversion Loss/Gain	dB
Spurs	dBc
Harmonics	dBc
Bias Voltage	Vdc
Internal PLO required?	Yes/No
Quantity	pcs