

75-110GHz Balance Mixer

Product Features

- Frequency: 75-110GHz
- LO: 12.5-18.33, with x6
- Conversion Loss: 8.5dB
- Integrated with AMC Chain



Electrical Specs:

Parameter	Minimum	Typical	Maximum
RF (GHz)	75		110
LO (GHz)	12.5		18.3
IF(GHz)	0.1		35
RF P1dB(dBm)	3	7	
LO Power(dBm)	3	7	10
Conversion Loss@ IF=100MHz (dB)		8.5	9.5
DC Voltage(V)		+5	
DC Supply Current(mA)		1000	
Operating Temperature(°C)	-20		+50

Mechanical Specs:

Item	Specification
RF Interface	WR-10 Waveguide with W/UG-387/U-M Flange
LO Interface	SMA Female
IF Interface	2.92 Female
Material	Brass (gold plated)
Weight	≤300g
Size (W×L×H)	Refer to the structural drawing below

