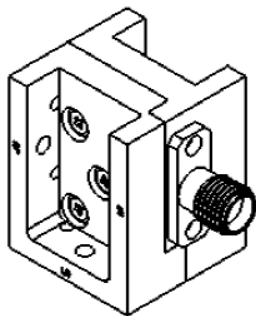


### 40-60GHz Balance Mixer WR-19



#### Description:

AT-MIX-4060ML is an up and down balance mixer covering U band based on GaAs MMIC Technology chips. IF input is balanced and can range from DC to 21GHz with SMA connector. LO/RF frequency range is 40-60GHz with WR-19 waveguide.. LO RF isolation features 25DB.

This products is with lower LO driver +13dBm , while AT-MIX-4060MH is with higher driver up to +18dBm.

#### Feature

- ✓ RF/LO: 40-60GHz
- ✓ IF: DC-30GHz
- ✓ Low Conversion Loss
- ✓ Low LO power requirement
- ✓ High RF/LO Isolation

#### Application

- ✓ U band Imaging
- ✓ FOD (Foreigner Objects Debris)
- ✓ Test Equipment
- ✓ ROF (RF Over Fiber)
- ✓ Radar System

#### Electronical Specifications:

Parameter	Min	Typical	Max
RF/LO Frequency		40-60GHz	
IF Range		DC-21GHz	
Conversion Loss		-10dB	
LO Driver	+10	+13dBm	+16
RF/LO Isolation		-25dB	
Operating Temp		-45 to 85C	
P1dB		+1dBm	
IIP3		+9dBm	
Bias		NO	
RF/LO Port		WR-19	
IF Port		SMA Female	
Dimension(mm)		20x20x25 mm	



### Absolute Maximum Ratings Table

Parameter	Value
IF Power	+7dBm
RF/LO Power	+20dBm
Operating Temperature	-40 to +85C
Storage Temperature	-65 to +150C

### Dimension:

