

Datasheet

Description

Passive mm-wave (PMMW) imaging provides the unique capability to create high resolution images in low visibility conditions (e.g. through clothing, clouds or fog) and therefore useful for such an applications as concealed weapon detection and airplane landing. A low attenuation atmospheric window from 80-110GHz (W Band) makes this band an ideal candidate for PMMW systems. Passive imagers operate by detecting naturally emitted thermal (black body) radiation from an object. Products available up to 325GHz



Features

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Applications

- Airport security screening
- Material composition
- Remote sensing
- Medical
- Metrology
- Metal detection in food

Specification	Unit	Min	Typ	Max
Centre Frequency	GHz		300	
Bandwidth	GHz		8	
Conversion Loss	dB		<7	
IF Bandwidth	GHz	10		18
RX Conversion Gain	dB		11	
Power Consumption	W		<10	

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