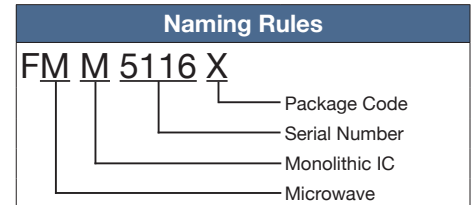


Ku to Ka Band Converter MMICs

Sumitomo Electric provides Mixer MMICs that are designed for VSAT and radio link applications. These devices use an up-converter for the transmitter and a down-converter for the receiver. These MMICs include a local buffer amplifier integrated on MMIC chip.

Features

- Wide Frequency Range
- High Conversion Gain
- High Integrated
- Low Distortion
- Low Cost Surface Mount Device (XZ)
- Flip Chip Form (XZ)



Specifications

Ta=+25°C

Part Number	RF Frequency Range f (GHz)	Drain-Source Voltage VDD (V)	Conversion Gain (dB)	Current Consumption (mA)	Outline/Package Code	Function
FMM5116X	20–32	5	-10	140	Chip	with Doubler, Up Converter
SMM5138XZ	12–16	5	-12	35	WLCSP	Up Converter
SMM5139XZ	12–16	5	+10	75	WLCSP	Down Converter
SMM5141XZ*	18–23	5	-12	110	WLCSP	with Doubler, Up Converter
SMM5142XZ*	18–23	5	+10	145	WLCSP	with Doubler, Down Converter
SMM5143XZ*	24–30	5	-12	110	WLCSP	with Doubler, Up Converter
SMM5144XZ*	24–30	5	+12	200	WLCSP	with Doubler, Down Converter

*Under Development

Package Photo

