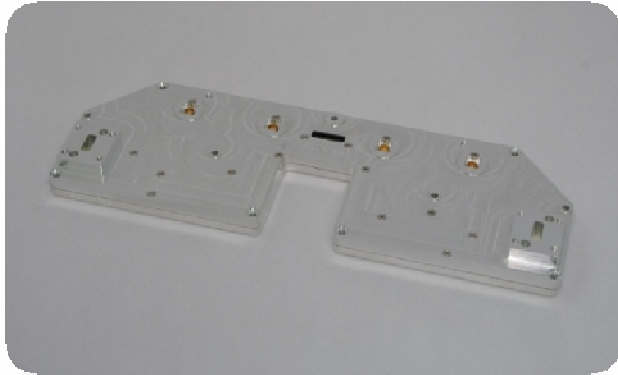


Transceivers / Converters



Applications

- Licensed Band Digital Microwave Radio Applications
- Unlicensed Band Point-to-Point Applications
- Radar Front-end Applications

Features

- Available in the 7 / 8 / 13 / 15 / 18 / 23GHz
- Output Power Control / Mute
- High Tx/Rx Isolation / Low Noise
- Available for QPSK to QAM
- Up/Down Converter Type (Option)

Specification

Frequency Band	7GHz	8GHz	13GHz	15GHz	18GHz	23GHz
Transmitter						
IF Frequency (MHz)	2140	2140	2140	2140	2140	2140
RF Frequency (GHz)	7.11 ~ 7.9	7.725 ~ 8.5	12.75 ~ 13.25	14.5 ~ 15.35	17.7 ~ 19.7	21.2 ~ 23.6
Output Power P1dB(dBm)	30	30	28	27	26	26
OIP3(dBm)	38	38	35	35	35	34
Gain (dB).Typ	38	38	38	38	38	38
Gain Flatness (dB)	±1	±1	±1	±1	±1	±1
Return Loss (dB) min.	12	12	12	12	12	12
Control Range (dB) min.	20	20	20	20	20	20
Detector accuracy (dB)	±2	±2	±2	±2	±2	±2
Receiver						
IF Frequency (MHz)	1960	1960	1960	1960	1960	1960
RF Frequency (GHz)	7.11 ~ 7.9	7.725 ~ 8.5	12.75 ~ 13.25	14.5 ~ 15.35	17.7 ~ 19.7	21.2 ~ 23.6
Input IP3 (dBm)	0	0	0	0	0	0
Noise Figure (dB) max.	3.5	3.5	3.5	3.5	4	4
Gain (dB).Typ	20	20	20	20	20	20
Gain Flatness (dB)	±1	±1	±1	±1	±1	±1
Return Loss (dB) min.	12	12	12	12	12	12
Image Rejection (dB)	25	25	25	25	25	25
LO Input						
Tx LO Frequency (GHz)	4.970 ~ 5.760	4.932 ~ 5.320	5.305 ~ 5.555	6.18 ~ 6.605	4.956 ~ 5.462	4.967 ~ 5.331
Rx LO Frequency (GHz)	5.150 ~ 5.940	4.842 ~ 5.230	5.395 ~ 5.645	6.27 ~ 6.695	4.911 ~ 5.417	5.012 ~ 5.376
Multiplication factor	X1	X2	X2	X2	X4	X4
LO injection	low	high	low	low	high	low
Level (dBm)	3±1.5	3±1.5	3±1.5	3±1.5	3±1.5	3±1.5
DC Bias						
Positive	+ 8V / 1,600mA	+ 8V / 1,600mA	+ 6V / 1,500mA	+ 6V / 1,500mA	+ 7V / 1,500mA	+ 6V / 1,500mA
Negative	-5V / 100mA	-5V / 100mA	-5V / 100mA	-5V / 100mA	-5V / 100mA	-5V / 100mA
Mechanical						
Size(mm)	238 X 76 X 20	238 X 76 X 20	238 X 76 X 20	238 X 76 X 20	238 X 76 X 20	238 X 76 X 20
Tx/Rx IF Connector	SMP F	SMP F	SMP F	SMP F	SMP F	SMP F
Tx/Rx LO Connector	SMP F	SMP F	SMP F	SMP F	SMP F	SMP F
TX/Rx RF Connector	MCX F	MCX F	WR75	WR62	WR42	WR42
DC Connector	Molex 1.27 / 20pin	Molex 1.27 / 20pin	Molex 1.27 / 20pin	Molex 1.27 / 20pin	Molex 1.27 / 20pin	Molex 1.27 / 20pin
Operating Temp	-35°C ~ +80°C					

The specification subject to change without notice.



For the customized specification, price, and delivery ; Contact us

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