

17 / 35GHz Transceiver



Applications

- Radar Applications
- Short to Long Range
- Vehicle Flow Monitoring
- Speed Detection
- Car Collision Avoidance
- Distance Measurement

Features

- Frequency : 17GHz, 35GHz
- Low Noise Figure
- Tx Mute
- Over Temperature Protection
- Limiting for Rx path protection

Specification

Frequency Band	17GHz	35GHz
Transmitter		
RF Input Frequency (GHz)	17.5 +/- 0.25GHz	17.55 +/- 0.25GHz
RF Output Frequency (GHz)	17.5 +/- 0.25GHz	35.1+/- 0.5GHz
Input Power	9~17dBm	9~18dBm
Output Power	26dBm min.	23dBm min.
Return Loss (dB) min.	12	12
Receiver		
IF Frequency (MHz)	10 KHz ~ 10MHz	11 KHz ~ 10MHz
RF Frequency (GHz)	17.5 +/- 0.25GHz	35.1+/- 0.5GHz
IP1dB (dBm)	-3dBm	-3dBm
Noise Figure (dB) max.	7.5dB	10dB
Gain (dB).Typ	20	20
Gain Flatness (dB)	±1	±1
Return Loss (dB) min.	12	12
DC Bias		
Positive	+ 6.3V / 1,200mA	+ 6.3V / 1,200mA
Negative	-12V / 70mA	-5V / 100mA
Mechanical		
Size	88.7 x 110 x 22.5 mm	76 x 238 x 19.7 mm
Rx IF Connector	SMA	SMP
Tx RF Connector	SMA	SMP
TX/Rx RF Connector	WR51	WR28
DC Connector	SMA	SMA
Operating Temp	-40°C ~ +80°C	-40°C ~ +80°C

The specification subject to change without notice.



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

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