



# 76 - 77 GHz FMCW Transceiver

## TRANSMIT PATH

- Frequency (GHz) 76 - 77
- Transmit Power (dBm) 13.5
- Power Flatness (dB)  $< \pm 0.5$
- Output VSWR 2.5:1

## RECEIVE PATH

- Frequency (GHz) 76 - 77
- RF to IF Gain (dB) 20
- Noise Figure Max (dB) 20
- Transmit/Receive Isolation (dB)  $> 45$
- Input VSWR 2.5:1
- Input Power MAX (dBm) -15

## IF PORT

- IF Bandwidth (MHz) 2
- IF Output AC Coupled

## LO PORT

- LO Frequency (GHz)  $9.6 \pm 0.15$
- LO Drive (dBm) 10
- LO VSWR 1.5:1
- Supply Voltage (VDC)  $\pm 5$
- Power Consumption Typ (Watts) 3.2
- Operating Temperature ( $^{\circ}\text{C}$ ) -30 to +70

