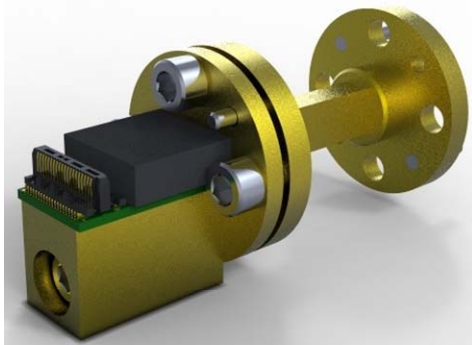


## SiGe 60 GHz Integrated Waveguide Transmitter SiGe 60 GHz Integrated Waveguide Receiver

*Silicon based millimeter wave WR15 waveguide modules enable low-cost production*

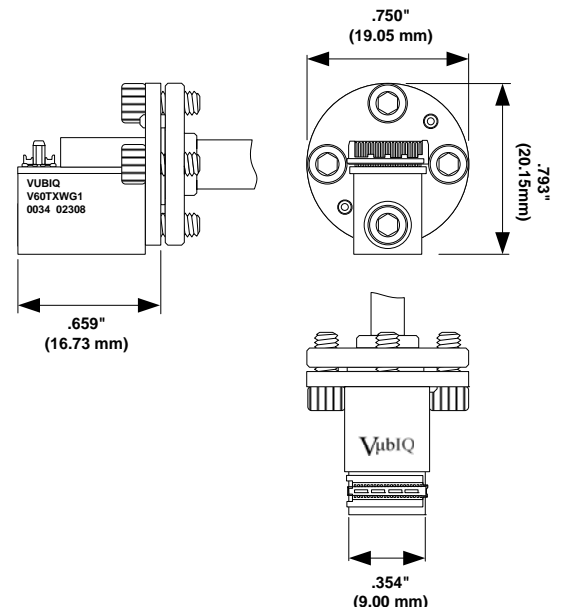
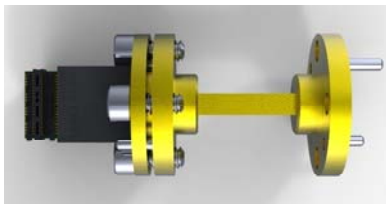
- SiGe transmitter (**V60TXWG1**)
- SiGe receiver (**V60RXWG1**)
- Integrated chip-to-waveguide transition
- High speed multi-pin connector for baseband signals and power
- Up to 1.5 GHz modulation bandwidth at 60 GHz
- All millimeter wave interconnections sealed
- On-chip synthesizer for setting 60 GHz channels at 500 MHz steps
- I/Q, FSK, ASK modulation / demodulation capable
- Baseband, power and clock connections via Samtec ST4-20
- Tx output 10 mW
- Rx input noise figure 6 dB
- Rx adjustable baseband + IF bandwidth from 200 MHz to 1.4 GHz



Also available: **V60WGD01**  
Development System

Includes:

- WR15 TX Board
- WR15 RX Board
- USB interface
- Tripods
- Brackets
- Easy-to-use GUI software
- Expansion kit included for baseband coaxial connections



## Enables Numerous High Bandwidth Applications

- Point-to-point links
- Wireless gigabit Ethernet
- Wireless uncompressed HD video
- Low cost RADAR

Preliminary - Specifications Subject to Change Without Notice