

# Technical Requirements

○ Order Information

Items	Quantities	Specifications
Phase Locked Synthesizer	1ea	Frequency Range : 93.6GHz to 105.6GHz; N=6 Step Size : 60MHz steps Reference: 10MHz Auto Sensing Internal/External 0dBm SMA-F Output Power: 7dBm typical Phase Noise: -62dBc @1kHz, -80dBc @100kHz typical Lock Detector: +5V Pull-up, Open Collector Output DC Supply: +9V, 1300mA and +15V, 5mA Output Waveguide: WR-10
Fullband Isolator	1ea	Frequency: 75 to 110GHz Insertion Loss: 2.5dB maximum Isolation: 27dB minimum VSWR:1.4:1 maximum Input Waveguide Configuration: Straight Input-to-Output Configuration: E-plane to E-plane Waveguide: WR-10 Flange: Round MIL. F-3922/67B-010
IRIS Bandpass Filter	1ea	Center Frequency: 100GHz Passband: 93 to 107GHz 40dB Rejection typical at (FRL): 89.5GHz 30dB Rejection typical at (FRH): 112.5GHz Insertion Loss: 0.7dB typical Waveguide: WR-10 Flange: MIL. F-3922/67B-010
Attenuator, Level set	1ea	Frequency: 75 to 110GHz Attenuation: 25dB minimum at max setting Insertion Loss: 1.0dB maximum VSWR:1.3:1 maximum Power Rating:0.3W maximum Waveguide: WR-10 Flange: Round MIL. F-3922/67B-010

○ Delivery Date : Within 120days After Receipt of Order

○ Contractor shall provide to KARI the documents of Certificate of Conformity (CoC), manual, test results, and Data sheet for the Items

○ Warranty Period : 1 year after the delivery of Items