

**X-band specification:**

<b>Parameter</b>	<b>Units</b>	<b>Minimum</b>	<b>Typical</b>	<b>Maximum</b>
<b>Frequency</b>	GHz	9.6		9.8
<b>Gain</b>	dBi	27		
<b>Polarization</b>		Linear, Vertical		
<b>3 dB Beamwidth, Vertical</b>	deg		16	
<b>3 dB Beamwidth, Horizontal</b>	deg		2	
<b>Side Lobe Level</b>	dB			-15
<b>Return Loss</b>	dB	13		
<b>Specification Temperature</b>	deg C		25	
<b>Operating Temperature</b>	deg C	-40		85
<b>RF Connector</b>	N female			

**Ka-band specification:**

<b>Parameter</b>	<b>Units</b>	<b>Minimum</b>	<b>Typical</b>	<b>Maximum</b>
<b>Frequency</b>	GHz	34.75		35.25
<b>Gain</b>	dBi	27		
<b>Polarization</b>		Linear, Vertical		
<b>3 dB Beamwidth, Vertical</b>	deg		16	
<b>3 dB Beamwidth, Horizontal</b>	deg		2	
<b>Side Lobe Level</b>	dB			-15
<b>Return Loss</b>	dB	13		
<b>Specification Temperature</b>	deg C		25	
<b>Operating Temperature</b>	deg C	-40		85
<b>RF Connector</b>	WR-28 Waveguide, UG-599/U Flange			