



RESONANCE LTD.

Microstrip Antenna 60 GHz

Technical Data

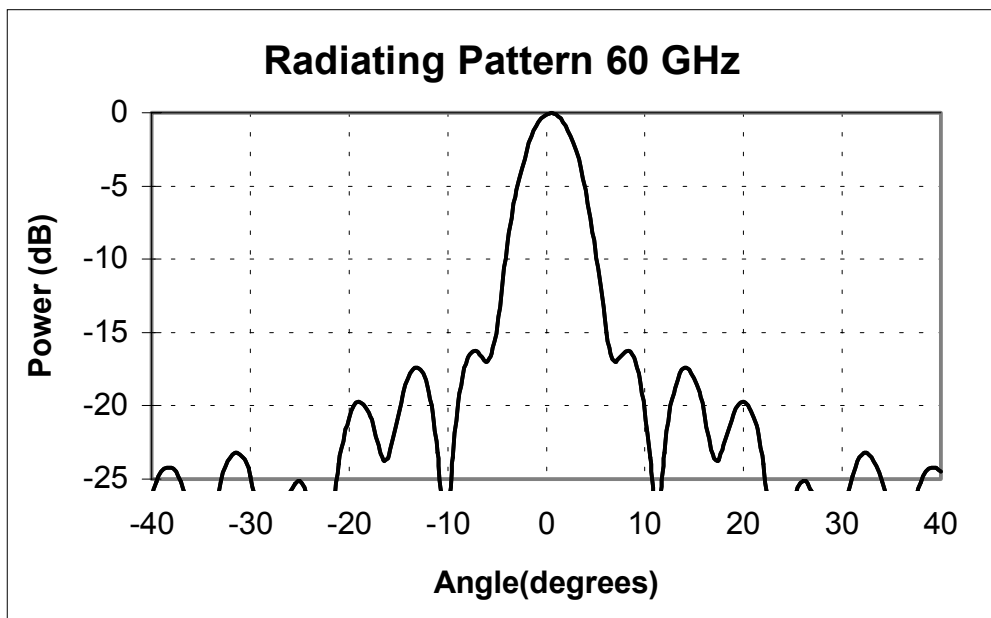
Electrical properties

Model	PA 60 -01	PA 60 -02	PA 60 -03
Gain (dB)	27.0	28.0	31.0
Beamwidth E-plane	4.5°	3.5°	3.0°
H-plane	4.6°	3.5°	2.5°
Size (inch)	3 x 3	4 x 4	5 x 5
Frequency range	60 GHz		
Polarization	Linear		
Cross polarization	> 25dB		
Sidelobes level	18 dB		
Front to back ratio	≥ 25 dB		
VSWR	1.6 (max)		
Standard connector	WR - 12		
Permitted power on entrance	3.0 W (average)		

Mechanical properties

Operating temperature range : -40° C to +55° C
Wind load fatal : 150 km/h
Atmospheric pressure : up to 107 kPa (630–800 mm M)

TYPICAL RADIATION PATTERN



See also the article

"A Circularly Polarized 60 GHz Microstrip Antenna " on our site.