

RACZ-2.450-A

Specifications

Parameters	Value	Unit
Center Frequency	2.450	GHz
Bandwidth, min	100	MHz
Gain, max (Depends on the special environment)	4.1	dBi
VSWR, max (Depends on the special environment)	2.5	-
Polarization	Linear	-
Azimuth Beamwidth	Omni-directional	-
Impedance	50	Ω
Power Dissipation	1	W
Operating Temperature Range	-55 ~ +85	$^{\circ}\text{C}$
Terminations	NiSn	-
Resistance to soldering heat (for 10s)	260 $^{\circ}\text{C}$	$^{\circ}\text{C}$
Weight	0.0839	g/piece

Dimensions

The technical drawing illustrates the RACZ-2.450-A chip antenna. It includes three views: a top view showing the antenna's footprint with dimensions L (length), W (width), C (gap), F (gap), S1 (gap), and S2 (gap); a side view showing the thickness T; and a bottom view showing a central circular pad and the F dimension. A table below the drawing provides the specific dimensions in millimeters.

Symbol	L	W	T	F	C	S1	S2
Dimensions (mm)	7.8 ± 0.25	3.6 ± 0.20	0.9 ± 0.20	1.25 ± 0.25	0.4 ± 0.20	1.25 ± 0.25	1.25 ± 0.25

APPROVAL

DRAWN BY	KW, 09/04/2019
APPROVED BY	AR
REVISION	A, Initial Release