



Planar Antenna Data Sheet

RM-PA107145A

Specifications

RM-PA107145A		
Parameters	Indicator requirements	Unit
Frequency Range	Transmission:13.75-14.5 Reception:10.7-12.75	GHz
Polarization	Linear	
Gain	Transmission : $\geq 32\text{dBi} + 20\text{LOG}(f/14.5)$ Receiving : $\geq 31\text{dBi} + 20\text{LOG}(f/12.75)$	dB
First Side-lobe(full band)	≤ -14	dB
Cross Polarization	$\geq 35(\text{Axial})$	dB
VSWR	≤ 1.75	
Port isolation	$\geq 55(\text{without include blocking filter})$	dB
Antenna Surface Thickness	15-25(different process)	mm
Weight	1.5-2.0	Kg
Surface Size(L*W)	290×290(±5)	mm