



Planar Antenna Data Sheet

RM-PA107145B

Specifications

RM-PA107145B		
Parameters	Indicator requirements	Unit
Frequency Range	Transmission:13.75-14.5 Reception:10.7-12.75	GHz
Polarization	dual-polarization	
0.6m array Gain	Transmission: $\geq 37.5\text{dBi}+20\log (f/14.25)$ Receiving: $\geq 36.5\text{dBi}+20\log (f/12.5)$	dB
0.45m array Gain	Transmission: $\geq 31.5\text{dBi}+20\log (f/14.25)$ Receiving: $\geq 30.5\text{dBi}+20\log (f/12.5)$	dB
First Sidelobe	< -14	dB
Cross Polarization	>33(Axial)	dB
VSWR	< 1.75	
0.6m array Size(L*W*H)	1150×290×25(±5)	mm
0.45m array Size(L*W*H)	580×150×25(±5)	mm