"High Frequency Ceramic Solutions"

2.45 GHz Antenna

P/N 2450AT18A100

Detail Specification: 09/03/03

Page 1 of 3

General Specifications

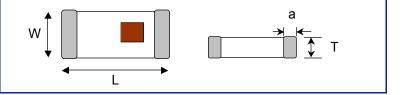
Part Number	2450AT18A100
Frequency Range	2400 - 2500 Mhz
Peak Gain	0.5 dBi typ. (XZ-V)
Average Gain	-0.5 dBi typ. (XZ-V)
Return Loss	9.5 dB min.

Input Power	500mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Reel Quanity	3,000

No.	Function	Terminal Configuration
1	Feeding Point	
2	NC	2 1

Mechanical Dimensions

	In	mm
L	0.126 ± 0.008	3.20 ± 0.20
W	0.063 ± 0.008	1.60 ± 0.20
Т	0.051 +.004/008	1.30 +0.1/-0.2
а	0.020 ± 0.012	0.50 ± 0.30



Mounting Considerations

Mount these devices with brown mark facing up. Units: mm Line width should be designed to provide 50Ω impedance matching characteristics. a) Without Matching Circuits b) With Matching Circuits 1.6 1.9

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Typical Electrical Characteristics (T=25°C) Ground 50Ω Feed Line 19mm **Test Board:** Matching Circuit 13.5mm No Ground 6.5mm 6.5mm 39.5mm Antenna **Return Loss** a) Without Matching Circuits b) With Matching Circuits m2 freq=2.590GHz dB(S(1,1))=-10.597 -20--20 -25 -25 -30-3.5 freq, GHz

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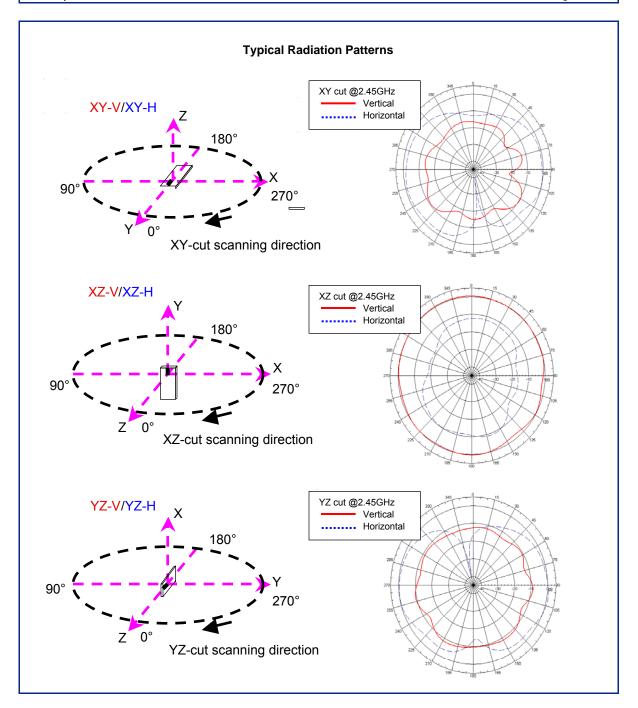
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