Spezifikation für Freigabe / specification for release

Kunde / customer : _____

Artikelnummer / part number : **7488940245** LF

Bezeichnung : **SMD Antenne WE-MCA**

description : **Chip-Antenna WE-MCA**

LEAD FREE WÜRTH ELEKTRONIK

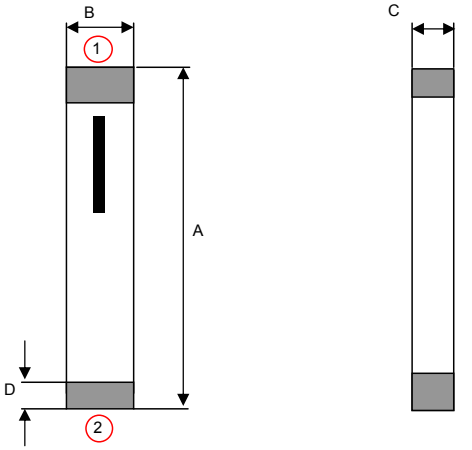
RoHS compliant

WÜRTH ELEKTRONIK

DATUM / DATE : 2004-10-11

A Mechanische Abmessungen / dimensions:

size	7 x 2	



A	7,0 ± 0,2	mm
B	2,0 ± 0,2	mm
C	1,2 +0,1/-0,2	mm
D	0,5 ± 0,3	mm

1	Feeding Point	
2	NC	

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Frequenzbereich/ frequency range		f	**2400 … 2500**	MHz	
VSWR VSWR			**2,0**		**max.**
Impedanz / impedance		Z	**50**	Ω	
Antennengewinn / peak gain	**(XZ-V)**	A	**2,0**	dBi	**typ.**
Antennengewinn / average gain	**(XZ-V)**	A	**-0,5**	dBi	**typ.**

C Abbildung/ apperance:

D Prüfgeräte / test equipment:

Agilent E5071A

E Testbedingungen / test conditions:

Luftfeuchtigkeit / humidity: 50 ~ 70%

Umgebungstemperatur / temperature: 20°C ~ 25°C

F Werkstoffe & Zulassungen / material & approvals

Basismaterial / base material: Keramik / ceramic

Kontakt Material / contact plating: Ag + Ni + Sn

G Eigenschaften / general specifications:

Betriebstemp. / operating temperature: -40°C ~ +85°C

Lagerbedingung / storage conditions: 15°C ~ 35°C

45 ~ 75% RH

Leistung/ power capacity : 3 W max.

Freigabe erteilt / general release:

Kunde / customer	Würth Elektronik
Datum / date	Unterschrift / signature
Geprüft / checked	Kontrolliert / approved

AWe	Version 1	04-10-11
Name	**Änderung / modification**	Datum / date

Würth Elektronik eiSos GmbH & Co.KG

D-74638 Waldenburg · Max-Eyth-Str. 1 · Germany · Telefon (+49) (0) 7942 - 945 - 0 · Telefax (+49) (0) 7942 - 945 - 400

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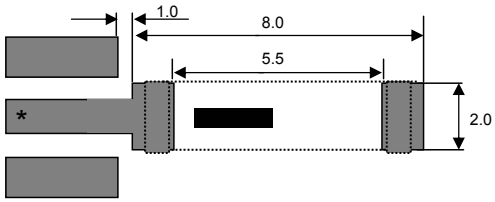
H Lötpadempfehlung / solder pads:

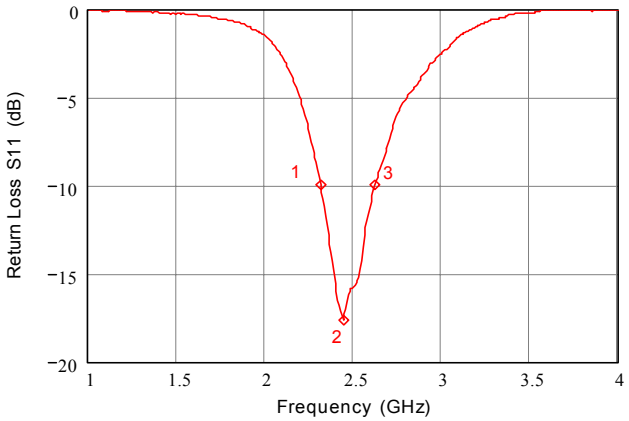
Without Matching Circuit:



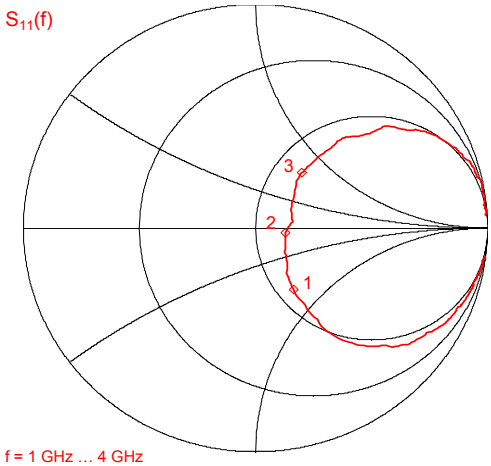
*Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

K Messdiagramme/ measuring diagrams:

Without Matching Circuit:



1: 2.3125 GHz -9.942 dB
2: 2.44 GHz -17.656 dB
3: 2.62 GHz -9.959 dB



f = 1 GHz ... 4 GHz

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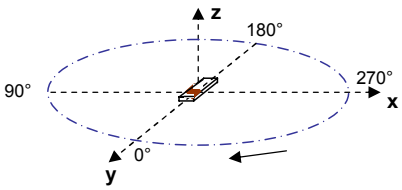
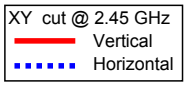
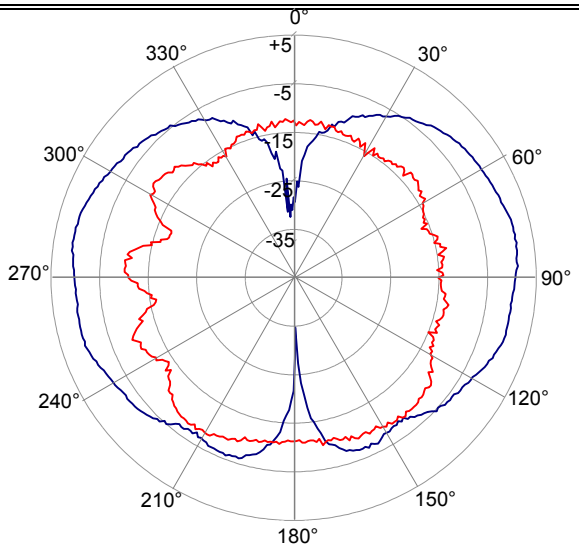
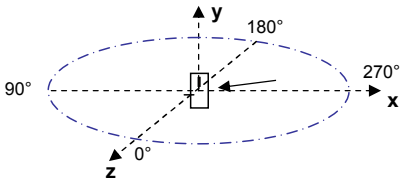
L Richtdiagramme / radiation patterns:



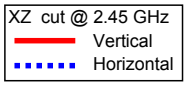
XY-cut scanning direction

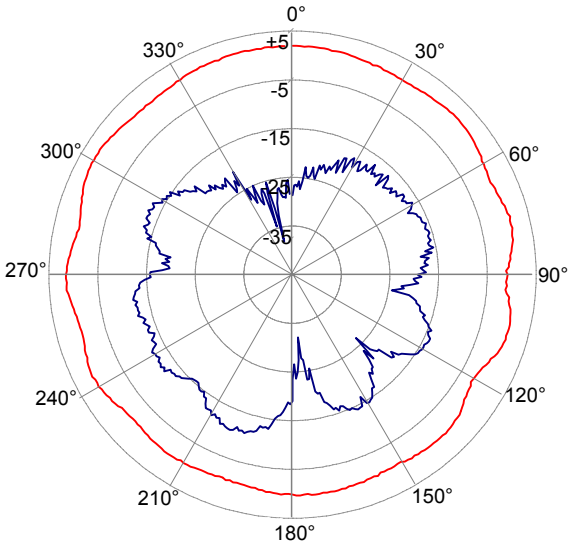


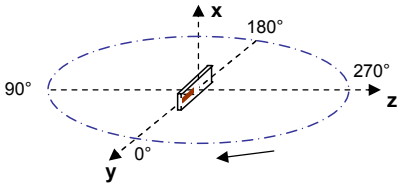




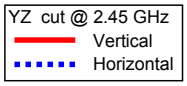
XZ-cut scanning direction

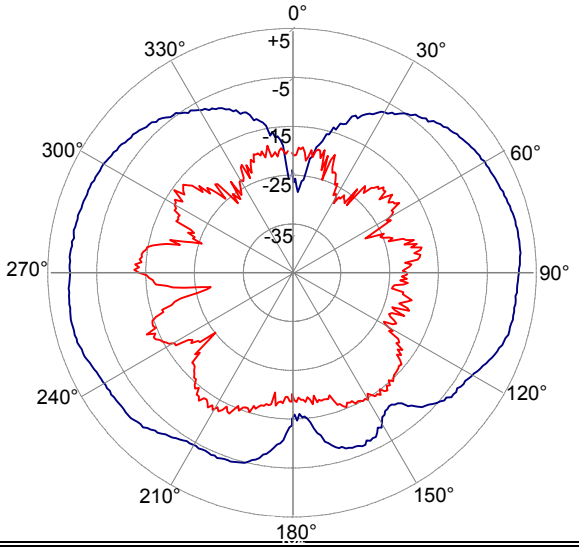






YZ-cut scanning direction





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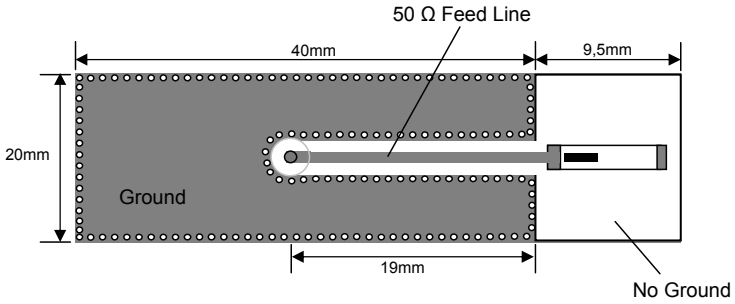
M Testboard / evaluation board:



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