

Groenlo, 12 May 2015

Antenna information for SENSIT EPL

Description	: Parking sensor operating on 902-928 MHz
FCC ID	: CGDSENSEITEPL
IC	: 1444A-SENSIT EPL
Manufacturer	: N.V. Nederlandsche Apparatenfabriek "Nedap"
Brand	: Nedap
Model	: SENSIT EPL US

N.V. Nederlandsche Apparatenfabriek "Nedap"



Jacques Hulshof
Approbation Officer

N.V. Nederlandsche Apparatenfabriek "Nedap"
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ABN-AMRO 59.16.32.330
IBAN NL83ABNA0591632330
BIC ABNANL2A
VAT NL006456285B01

Spezifikation für Freigabe / specification for release

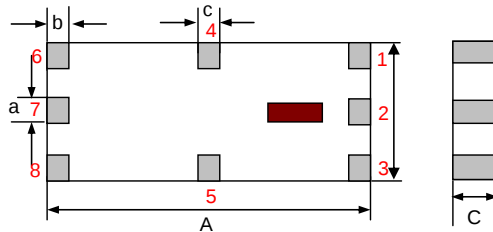
Kunde / customer :
 Artikelnummer / part number : **7488910092**
 Bezeichnung : **SMD Antenne WE-MCA**
 description : **Chip-Antenna WE-MCA**

LF



DATUM / DATE : 2007-01-12

A Mechanische Abmessungen / dimensions:



size	11 x 5,1	
A	11,0 ± 0,3	mm
B	5,1 ± 0,3	mm
C	1,5 ± 0,2	mm
a	1,0 ± 0,2	mm
b	0,5 ± 0,3	mm
c	0,5 ± 0,3	mm
1	NC	
2	Feeding Point	
3 - 8	NC	

B Elektrische Eigenschaften / electrical properties:

Eigenschaften / properties	Testbedingungen / test conditions		Wert / value	Einheit / unit	tol.
Frequenzbereich / frequency range		f	868 ... 960	MHz	
VSWR			2,5		max.
Impedanz / impedance		Z	50	Ω	
Antennengewinn / peak gain	(XZ-V)	A	-0,7	dBi	typ.
Antennengewinn / average gain	(XZ-V)	A	-2,6	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 : 5 W max.

Freigabe erteilt / general release:	Kunde / customer			
Datum / date	Unterschrift / signature			
	Würth Elektronik			
		Skle	Version 3	07-01-12
		AWe	Version 2	05-02-09
		AWe	Version 1	04-10-11
Geprüft / checked	Kontrolliert / approved	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
<http://www.we-online.de>

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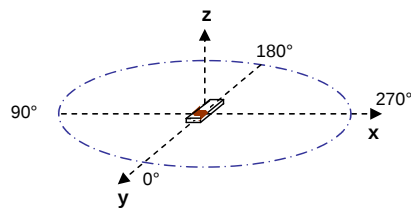


Bezeichnung : SMD Antenne WE-MCA

description : Chip-Antenna WE-MCA

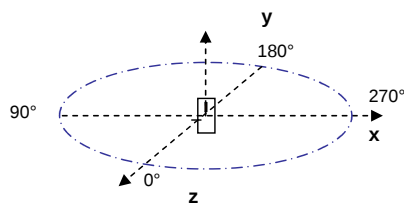
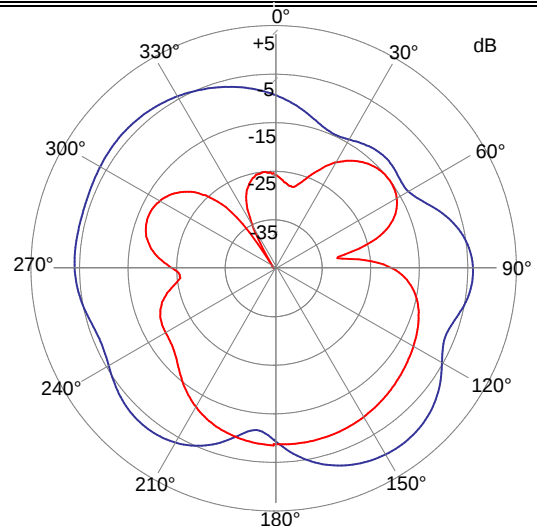
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L Richtdiagramme / radiation patterns:



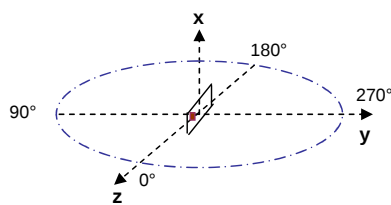
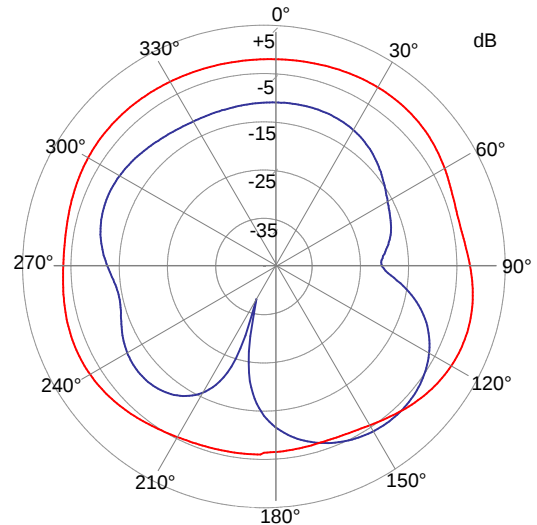
XY-cut scanning direction

XY cut @ 920 MHz
— Horizontal
— Vertical



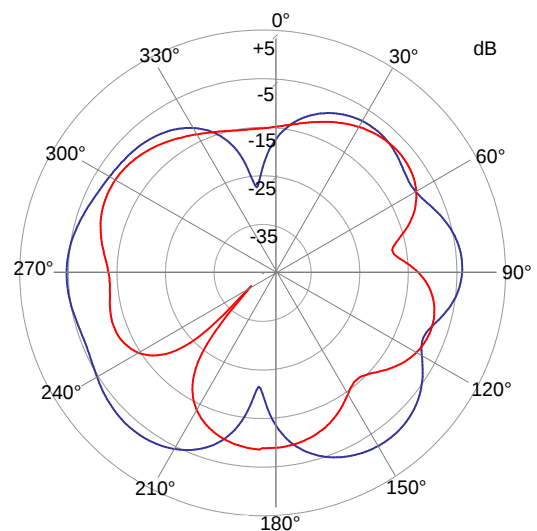
XZ-cut scanning direction

XZ cut @ 920 MHz
— Horizontal
— Vertical



YZ-cut scanning direction

YZ cut @ 920 MHz
— Horizontal
— Vertical



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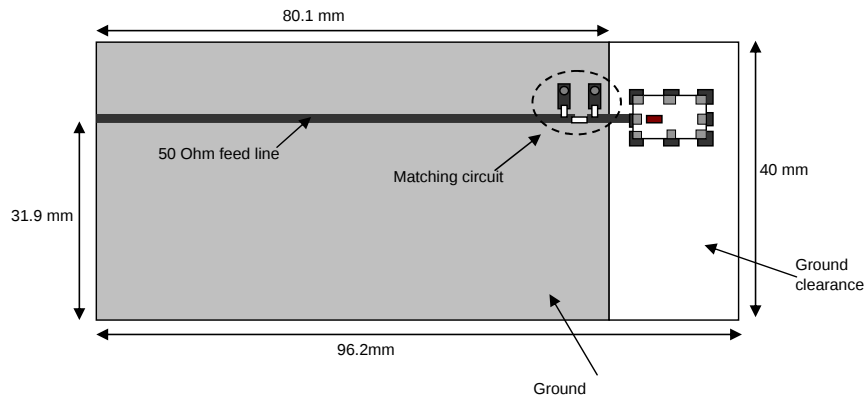


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M Testboard / evaluation board:



This electronic component has been designed and developed for usage in general electronic equipment. Before incorporating this component into any equipment where higher safety and reliability is especially required or if there is the possibility of direct damage or injury to human body, for example in the range of aerospace, aviation, nuclear control, submarine, transportation, (automotive control, train control, ship control), transportation signal, disaster prevention, medical, public information network etc, Würth Elektronik eiSos GmbH must be informed before the design-in stage. In addition, sufficient reliability evaluation checks for safety must be performed on every electronic component which is used in electrical circuits that require high safety and reliability functions or performance.

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