



902-928MHZ

MT-269505/NCP 902-928 MHZ RFID NEAR FIELD FLAT PANEL ANTENNA



ELECTRICAL

REGULATORY COMPLIANCE	RoHS, CE 0682	
FREQUENCY RANGE	902 - 928 MHz	
VSWR	2.0:1 (max)	
POLARIZATION	СР	
POWER	2W (max)	
INPUT IMPEDANCE	50 Ω	
DC VOLTAGE	+9 ÷ 12V	
RANGE (typ) [mm from Antenna Surface]	0-40 (Neptune tag) , 0-400 (Satellite)	
MECHANICAL		
DIMENSIONS (LxWxD)	435x 289 x 25 mm (max)	
CONNECTOR	N-Type Female	
WEIGHT	1.5 (kg) (max)	
RADOME MATERIAL	Polycarbonat UV Resistant per ETSI 300	
BASE PLATE MATERIAL	Aluminum with chemical conversion coating	
OUTLINE DRAWING	RD42656800C	
READER TYPE	Impinj Speedway Reader	
TAG ORIENTAION	X, Y, Zx, Zy	
TEST POWER	1 W	
DC VOLTAGE	+9÷12V	
DC CONNECTOR	DC POWER JACK 12V, PIN DIA 2.1mm	

ENVIRONMENTAL

TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-30°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+55°C	
TEMP. CYCLING	IEC 68-2-14	1 h	-30°C +55°C	3 Cycles
VIBRATION	IEC 60721-3-4	30 min/axis		Random4M3
SHOCK MECHANICAL	IEC 60721-3-4			4M3
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h		95%
WATER TIGHTNESS	IEC 529			IP50
DUST RESUSTANCE	IEC 529			IP50
FLAMMABILITY	UL 94			Class HB

Description : antenna consist of 4 switched antenna element.

* The antenna has been tested with Impinji Speedway Reader to evaluate the antennas.

The antenna performance can be changed when using another type of reader.

READ	COVERAGE
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TAG	100%	50-99%	0-49%
SATELITE	0-400 mm	400-500 mm	N/A
NEPTUNE	0-10mm	10-40 mm	40-50mm



WAIVER!

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Microtron n.v. | Generaal De Wittelaan 7 | B-2800 Mechelen | T +32 (0) 15 29 29 29 | info@microtron.be | www.microtron.be Microtron b.v. | Hoevestein 11 | NL-4903 SE Oosterhout | T +31 (0) 162 44 72 72 | info@microtron.nl | www.microtron.nl