

865-870MHZ

MT-249577/N
865-870 MHZ RFID NEAR FIELD FLAT PANEL ANTENNA



ELECTRICAL

ANTENNA TYPE	Magnetic Field Antenna
REGULATORY COMPLIANCE	RoHS, CE 0682
FREQUENCY RANGE	865-870 MHz
VSWR	2.0 : 1 (max)
POWER	2W (max)
INPUT IMPEDANCE	50 Ω

MECHANICAL

DIMENSIONS (LxWxD)	225 x 225 x 30 mm (max)
CONNECTOR	N-Type Female
WEIGHT	1 kg (max)
RADOME MATERIAL	Glass Epoxy
BASE PLATE MATERIAL	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD42989900C
READER TYPE	(*)
TAG ORIENTAION	Any
TAG TYPE	Neptune, Button
RANGE & COVERAGE [Distance from Antenna Surface]	Neptune: 0-100mm, 100% Coverage, Button: 0-30 mm, 100% Coverage, Up to 50mm, >50% Coverage
TEST POWER	1 W

ENVIRONMENTAL

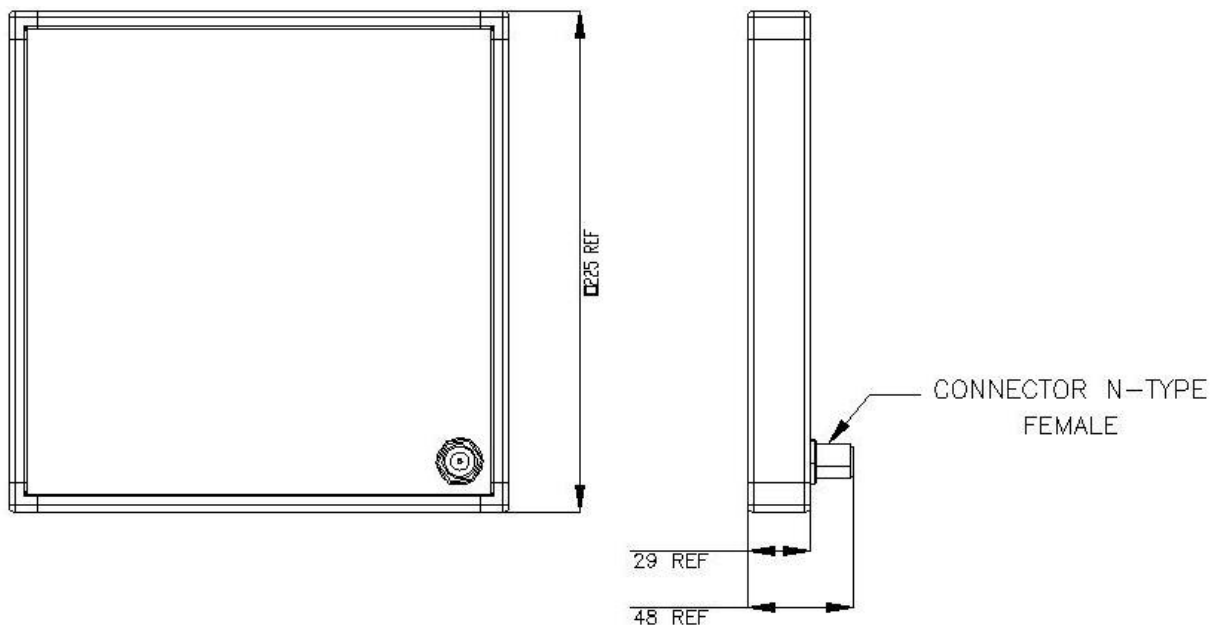
TEST	STANDARD	DURATION	TEMPERTURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-30°C	
HIGH TEMPERATURE	IEC 68-2-2	72 h	+55°C	

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

* The antenna has been tested with Impinji Speedway Reader to evaluate the antenna.
The antenna performance may change when using another type of reader.

READ COVERAGE

TAG	100%	50-99%	0-49%
SATELITE	0-80 mm	80-100 mm	N/A
NEPTUNE	0-30mm	30-50 mm	N/A



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