

SPECIFICATION FOR MT – 262013/TRH/A/K READER ANTENNA 902-928 MHz, 7.5 dBic

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MTI WIRELESS EDGE LTD.	MT – 262013/TRH/A/K	REV-B
SCALE: NONE	DOC NO. RD42293700C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CY01	RELAESD	Yael h.	9.9.07
B	7232	ADD SALT SPRAY	Yael H.	4.11.14

SHEET	43	44	45	46	47	48	49	50	51	52	53	54	55	56
REV														
SHEET	29	30	31	32	33	34	35	36	37	38	39	40	41	42
REV														
SHEET	15	16	17	18	19	20	21	22	23	24	25	26	27	28
REV														
SHEET	1	2	3	4	5	6	7	8	9	10	11	12	13	14
REV	B	B	B	B										

PRODUCT STATUS:			
☐ PROPOSAL	☐ IN DEVELOPMENT	☐ PREPRODUCTION	☒ PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael HARASH	Yael	26.3.07
CHKD	DOV FEINER		2.4.07
CHKD			
CHKD			
DSGN	SERGEY ZEMLYAKOV	S.Z	27.3.07
PROJ	ALEX DRAGILEV	A.D	26.3.07
MFG			
QA	MOTI MOTOVICH	MOTI	9.9.07
MARK.	REUVEN DRORI	R.D	1.4.07

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SPECIFICATION

FLAT PANEL READER ANTENNA

MTI PART NUMBER	MT – 262013/TRH/A/K
REGULATORY COMPLIANCE	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	902-928 MHz
GAIN	7.5 dBic (min)
VSWR	1.3:1 (max)
AZIMUTH 3 dB BEAMWIDTH	70° ±3°
ELEVATION 3 dB BEAMWIDTH	71° ±1°
POLARIZATION	RHCP
SIDELOBES LEVEL AND FRONT TO BACK	-19 dB (max)
AXIAL RATIO	1 dB (typ) 1.3 dB (max) @ BORESIGHT 2 dB (typ) 3.5 dB (max) @ 3 dB BEAMWIDTH
INPUT IMPEDANCE	50 (Ohm)
INPUT POWER	6 W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	190x190x30 mm (max)
ORIENTATION	Rectangular
WEIGHT	0.8 kg (max)
CONNECTOR	Reverse Polarity TNC
RADOME	Plastic UV Resistant per ETSI 300
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD42293900C
<u>3. MOUNTING KIT</u>	SEE RD41191800C , MT-120018/A

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4. ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERATURE	NOTES
LOW TEMPERATURE	IEC 68-2-1	72 h	-55°C	-
HIGH TEMPERATURE	IEC 68-2-2	72 h	+71°C	-
TEMP. CYCLING	IEC 68-2-14	1 h	-45°C +70°C	3 Cycles
THERMAL SHOCK NONO- OPERATING			-30°C to +70°C	Ramp 30°C/min
HUMIDITY	ETSI EN300-2-4 T4.1E	144 h	-	95%
WATER TIGHTNESS	IEC 529	-	-	IP67(*please see comment below)
DUST RESISTANCE				IP67(*please see comment below)
SOLAR RADIATION	ASTM G53	1000 h	-	-
SALT SPRAY	IEC 68-2-11 Ka	500 h	-	-
OZONE RESISTANCE	ETSI 300			
QUASI RANDOM VIBRATION				20g rms for 4 hours
VEHICLE VIBRATION OPERATING	1g rms, 10-500 Hz, in 3 axis			6 hours total, 2 hr in each axis. Accelerated wear – an additional 50hrs in worst case axis.
MECHANICAL SHOCK OPERATING	10g, 11 msec, half sine pulse			

* For outdoor installations that require mounting the antenna horizontally facing ground, please contact MTI representative for the dedicated P/N

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