

Specification for MT – 262041/TRH/A/K RHCP Reader Antenna 865 - 928 MHz, 5.0dBic

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MTI WIRELESS EDGE LTD.	MT – 262041/TRH/A/K	REV-A
SCALE: NONE	DOC NO. RD43467500C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE SPEC	Yael H.	11.2.13
A	DF36	RELAESD	Yael H.	21.3.13

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	A	A	A	A										

PRODUCT STATUS:			
<input type="checkbox"/> PROPOSAL	<input type="checkbox"/> IN DEVELOPMENT	<input checked="" type="checkbox"/> PREPRODUCTION	<input type="checkbox"/> PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael HRASH	Yael	10.7.12
CHKD	DANIEL ZERAH	D.Z	21.3.13
CHKD	YEHUDA MILER	Y.M	4.3.13
CHKD			
DSGN	SERGEY ZEMLIAKOV	S.Z	4.3.13
PROJ	MOTI ROSTMI	M.R	3.3.13
MFG			
QA	MOTI MOTOVICH	MOTI	4.3.13
MARK.	REUVEN dRORI	R.D	21.3.13

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SPECIFICATION

Flat Panel Reader Antenna

MTI PART NUMBER	MT – 262041/TRH/A/K		
Regulatory Compliance	RoHS , CE 0682		
1. ELECTRICAL			
Frequency Range	865 - 928 MHz		
Gain	4.0 ± 0.5 dBic @ 865-870 MHz 4.5 ± 0.5 dBic @ 902-928 MHz		
VSWR	1.3 :1 (typ) , 1.5 : 1(max)		
3 dB Beam width	Az	85° (typ)	
	EI	85° (typ)	
Polarization	RHCP		
Axial Ratio @ Bore sight	2.5 dB (typ) , 4.0 dB (max) @ 865-870 MHz 1.5 dB (typ) , 2.5 dB (max) @ 902-928 MHz		
F / B Ratio	15 dB (typ)		
Input Impedance	50 ohm		
Input Power	6W (max)		
Lightning Protection	DC Grounded		
2. MECHANICAL			
Dimensions(LxWxD)	140 x 140 x26 mm (max)		
Weight	0.5kg (max)		
Connector	TNC Reverse Polarity		
Radome	Plastic		
Base Plate	Aluminum with chemical conversion coating		
Outline Drawing	RD43467700C		
3. MOUNTING KIT			
	MT-120018/A		

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4. ENVIRONMENTAL				
TEST	STANDARD	DURATION	TEMPERTURE	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
Vibration	IEC 60721-3-4	30 min/axis	-	Random 4M3
Shock Mechanical	IEC 60721-3-4	-	-	4M3
Humidity	ETSI EN300-2-4 T4.1E	144 h	-	95%
Water Tightness	IEC 529	-	-	IP67
Solar Radiation	ASTM G53	1000 h	-	-
Flammability	UL 94	-	-	CLASS HB
Salt Spray	IEC 68-2-11 Ka	168 h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed Survival Operation	-	-	-	220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust	-	-	-	5.6 kg
Side Thrust	-	-	-	0.8 kg

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

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