

Specification for MT – 241030/SLH LHCP Reader Antenna 865 - 956 MHz, 1.5dBic

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MTI WIRELESS EDGE LTD.	MT – 241030/SLH	REV-B
SCALE: NONE	DOC NO. RD42793100C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE DIM. & ENVIRONMENTAL	Yael h.	16.2.10
02		UPDATE SPEC	YAEL H.	15.3.10
A	DC20	RELAESD	YAEL H.	11.4.10
B	4614	UPDATE SPEC	YAEL H.	27.5.10

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:			
<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	8.6.09
CHKD	DANIEL ZERAH	D.Z	8.4.10
CHKD			
CHKD			
DSGN	SERGEY ZEMLIAKOV	S.Z	15.3.10
PROJ	MOTI ROSTMI	M.R	22.3.10
MFG			
QA	MOTI MOTOVICH	MOTI	23.3.10
MARK.	REUVEN DRORI	R.D	1.4.10

MTI WIRELESS EDGE LTD.	Specification for MT – 241030/SLH LHCP Reader Antenna		
DOC NO. RD42793100C	865-956 MHz, 1.5dBic		
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SPECIFICATION

Flat Panel Reader Antenna

MTI PART NUMBER	MT – 241030/SLH
Regulatory Compliance	RoHS , CE 0682
1. <u>ELECTRICAL</u>	
Frequency Range	865 - 956 MHz
Gain	0.5dBic (min) 2.(dBic (max) @ 865-928 MHz -1.0dBic (min) 1.0 dBic (max) @ 950-956 MHz
VSWR	1.3 :1 (typ) , 1.5 : 1(max)
3 dB Beam width	90°(typ)
Polarization	LHCP
Axial Ratio @ Bore sight	2 dB (typ) , 3 dB (max) @ 865-870 MHz 1 dB (typ) , 3.0dB (max) @ 902-928 MHz 3 dB (typ) , 4 dB (max) @ 950-956 MHz
F / B Ratio	-10 dB (typ)
Input Impedance	50 ohm
Input Power	6W (max)
Lightning Protection	DC GROUNDED
2. <u>MECHANICAL</u>	
Dimensions(LxWxD)	95 x 95 x 50 mm (max)
Weight	250gr (max)
Connector	SMA - Female
Color	RAL - 9002
Outline Drawing	RD42793200C

NOTE : Dimensions Do Not Include the Connector

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3. 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 Cycle s
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	-	-
Salt Spray	IEC 68-2-11 Ka	500 h	-	-
Ice And Snow	-	-	-	25mm Radial
Wind Speed Survival Operation	-	-	-	220 Km/h 160 Km/h
Wind Load (Survival): Front Thrust Side Thrust	- -	- -	- -	2.6 kg 1.1 kg

Authorized Reseller:
RFID4u RFID4UStore
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 1-408-739-3500
 sales@rfid4ustore.com

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