

SPECIFICATION FOR MT – 341017/N/A OMNIDIRECTIONAL ANTENNA 2.4-2.5 GHz, 7.25 dBi

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MTI WIRELESS EDGE LTD.	MT – 341017/N/A	REV-B
SCALE: NONE	DOC NO. RD42117200C	SHEET 1 OF 4

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
01		UPDATE SPEC	Yael H.	18.3.07
A	CW80	RELAESERD	Yael H.	21.3.07
B	2100	CHANGE IP FROM 64 TO 67	Yael H.	3.5.07

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 type="checkbox"/> PREPRODUCTION	<input checked="" type="checkbox"/> PRODUCTION

CONTRACT NO			
ACTION	NAME	SIGN	DATE
PREP	Yael Harash	Yael	6.3.07
CHKD	DOV FEINER	D.F	20.3.07
CHKD			
CHKD			
DSGN	ASAF HAVIV	A.H	8.3.07
PROJ	MOTI ROSTMY	M.R	8.3.07
MFG			
QA	MOTI MOTOVICH	MOTI	8.3.07
MARK.	DAVID SHANI	D.S	12.3.07

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SPECIFICATION

OMNIDIRECTIONAL ANTENNA

MTI PART NUMBER	MT – 341017/N/A
REGULATORY COMPLIANCE	RoHS , CE 0682
<u>1. ELECTRICAL</u>	
FREQUENCY RANGE	2.4 – 2.5 GHz
PEAK GAIN + AZIMUTH RIPPLE	7.25 dBi ±0.75dB
VSWR	1.5:1(max)
AZIMUTH BEAMWIDTH	360°
POLARIZATION	Linear Vertical
E - PLANE BEAMWIDTH	21 deg (typ)
INPUT IMPEDANCE	50 (ohms)
POWER	6 W (max)
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS WITH CONNECTOR :	
DIAMETER	Ø28mm (max)
HEIGHT	337 mm (max)
WEIGHT	0.15 kg (max)
CONNECTOR	N-TYPE MALE
RADOME	Plastic, UV Resistant
OUTLINE DRAWING	RD42117300C
<u>3. MOUNTING KIT</u>	
CONFIGURATION	Mounted to radio's N-female output

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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 Cycle s
VIBRATION	IEC 60721-3-4	30 min/axis	-	Random 4M5
SHOCK MECHANICAL	IEC 60721-3-4	-	-	4M5
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	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	-	-	-	220 Km/h 160 Km/h

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