

REVISION RECORD				
REV	ECO	DESCRIPTION	APVD	DATE
A	CU76	RELEASED	Yael H.	12.8.02

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											

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ACTION	NAME	SIGN	DATE			
PREP	Y. HARHSH	Y.H	5.8.02	TITLE : SPECIFICATION FOR MT - 10004/C/A SUBSCRIBER INTEGRATED ANTENNA 2.4 – 2.5 GHz , 13.5 dBi		
CHKD	D. FAINER	D.F	12.8.02			
DSGN	M.HAIKIN	M.H	12.8.02			
PROJ	M. ROSTMI	M.R	12.8.02			
MFG						
QA	M.MOTOCIVH	D.F	12.8.02	SIZE	CLASSIFICATION	DWG NO
				A	NONE	RD41189200C

MARK.	E.AGMON	E.A	12.8.02	SCALE: N/A		SHEET 1 OF 3
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961-7/96

SIZE		DWG NO	REV
A	MTI WIRELESS EDGE	RD41189200C	A
SCALE NONE		SHEET 2 of 3	

SPECIFICATION

FLAT PANEL SUBSCRIBE

MTI PART NUMBER	MT - 10004/C/A
<u>1 ELECTRICAL</u>	
FREQUENCY RANGE	2.4 - 2.5 GHz
GAIN	13.5 dBi (min)
VSWR	1.5 : 1 (max)
3 dB BEAMWIDTH:	33° (typ)
POLARIZATION	Linear (Vertical or Horizontal)
AZIMUTH SIDELOBES:	-11.5 dB (max)
ELEVATION SIDELOBES:	- 9 dB (max)
CROSS POLARIZATION:	-18 dB (max)
F/B RATIO	- 26 dB (max)
INPUT IMPEDANCE	50 (ohm)
INPUT POWER	6W
LIGHTNING PROTECTION	DC Grounded
<u>2. MECHANICAL</u>	
DIMENSIONS (LxWxD)	190 x 190 x 30.5 mm (max)
WEIGHT	0.7 (kgs) (max)
CONNECTOR	MCX plug with 14cm coaxial cable
RADOME	Plastic
BASE PLATE	Aluminum with chemical conversion coating
OUTLINE DRAWING	RD41189000C

SIZE		DWG NO	REV
A	MTI WIRELESS EDGE	RD41189200C	A
SCALE NONE		SHEET 3 of 3	

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	500 h	-	-
ICE AND SNOW	-	-	-	25mm Radial
WIND SPEED SURVIVAL OPERATION	- -	- -	- -	220 Km/h 160 Km/h

SIZE A	MTI WIRELESS EDGE	DWG NO RD41189200C	REV A
SCALE NONE		SHEET 4 of 3	