

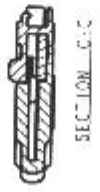
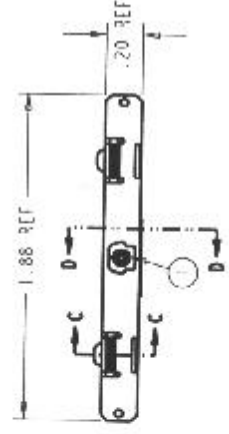
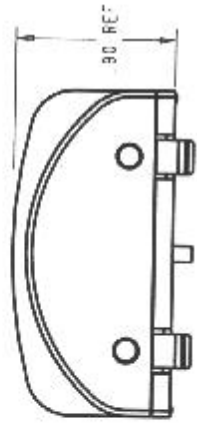
Model RM181 Antenna List

Antenna	Gain
Tab Antenna	0 dBi
Patch Antenna	4.5 dBi
Small Dipole Antenna	1 dBi
Special Shape Dipole	1.5 dBi
Large Dipole	2 dBi
Omni-directional Antenna	4 dBi

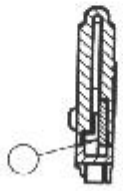
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REVISION

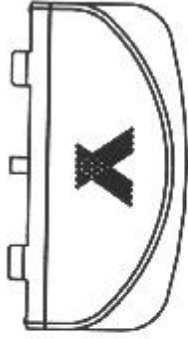
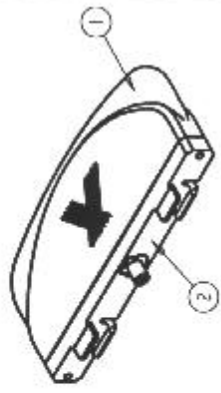
LT#	ECO	DATE	BY	APPR
01	-	8/15/96	RELEASE TO BETA	TLC



SECTION C-C

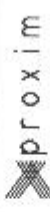


SECTION D-D



ITEM DESCRIPTION	PROXIM PR
1 BOOT, STUB ANTN	8225.0061
2 CLIP, STUB ANTN	8225.0060
3 PCA, STUB ANTN	8400.0134

3 DIMENSIONS IN INCHES	DRAWN T. CASAREZ 7/21/95
10 DECIMALS	DESIGN T. CASAREZ 7/21/95
SIZE .02	MATERIAL
SIZE .010	SEC NOM
ANGLE 1/2	FINISH
DRY ALL SHAPED SURFACES	CHECKED AND APPROVED
NO. DIMENSIONS	DATE
10 DIMENSIONS	SCALE



TITLE ANTENNA, STUB, 2.4 GHz
 RANGELAN2 PCMCIA I PC

SIZE	NO. 1900.0021	REV.	01
NO. 1	FILE NAME	SHEET	1 OF

- NOTES:
1. FREQUENCY RANGE: 2.4-2.5 GHz.
 2. IMPEDANCE: 50 OHM MAX.
 3. OPERATING TEMPERATURE: -40 TO 85°C.
 4. PEA* GAIN: 0.0 DBI

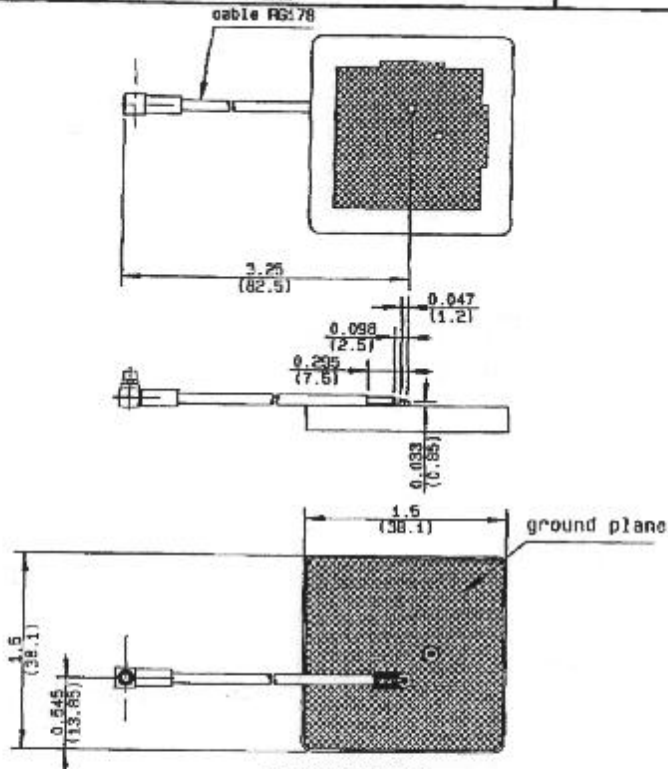
MICROPATCH ANTENNA 38mmx 38mm
2.4 GHz

Issue : 9840

Page

Series : ANTENNA

1 / 1



SPECIFICATION

Center frequency:	2480 MHz
Frequency bandwidth:	100 MHz
Nominal Impedance:	50 Ω
VSWR:	2:1 Max
Gain:	4.5 dB Min @ Zenith
3 dB Beamwidth:	95 degree
Front to Back ratio:	14 dB Min
Polarisation:	Vertical
Ceramic characteristics:	Porosity:0
	Permittivity:6
	Loss factor:0.002 Max
Connector type:	MMCX Right Angle Plug

Initiated on 30-09-98

The information given here is subject to change without notice. Design changes may be in order to improve the product.



Approval by BROCHETON

CONSTANTIN B

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REVISION

LTR	ECO	DATE	BY	APP
1	-	5/3/93	BETA	RELEASE



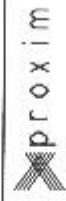
ITEM DESCRIPTION	PROXIM PN
1 ANTENNA BOOT, BLACK	8225.0066
2 MOUNTING PLATE, BLACK	8225.0068
3 ANTENNA BASE W/DOMETAIL, BLACK	8225.0069
4 CABLE COAX K TYPE, BLACK	6000.004
5 RF CONNECTOR, MNCK RT ANGLE	2128.0074
6 DOUBLE COATED NEOPRENE 3MM4962	NA

NOTES:
 1. POWER RATING 10 WATTS
 2. FREQUENCY RANGE 2.4-2.5 GHz
 3. VSWR 1.5:1 MAX AT RESONANCE
 4. IMPEDANCE: 50 Ω NOMINAL
 5. OPERATING TEMPERATURE -40 TO 85°C
 6. PEAK GAIN 1.0 dBi
 7. CONNECTOR TO BE ASSEMBLED AS SHOWN, CENTER PIN FACES THE BACK.

SECTION C-C
 SCALE 1:2

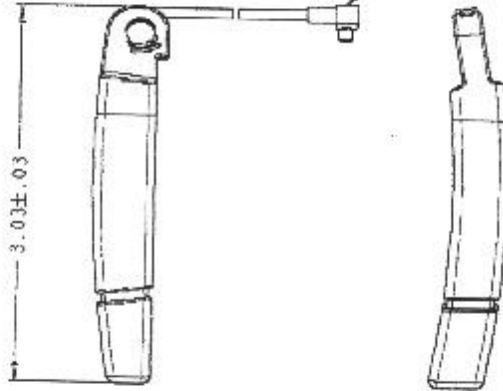
DETAIL A
 SCALE 1:6

DESIGNER	DRAWN	T. CASARET	DATE	7/21/93
DESIGN	T. CASARET	7/21/93		
MATERIAL	SEE TABLE			
FINISH	SEE TABLE			
SCALE	1:2			
CHECKED AND APPROVED				

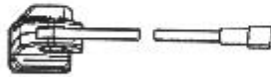


TITLE ANTENNA, TETHERED, 2.4 GHz
 RANGELAN2 PCMCIA I PC

SUB	000	1900.0020	REV.	
SCALE	NONE	CLIP/ETCH	SHEET	1 OF 1



MMCX RIGHT ANGLE
CONNECTOR, 4.00 - 4.50
INCHES RG-178 COAX CABLE



NOTES:
- SPECIFICATIONS:
FREQ. RANGE: 2.4 - 2.5 GHz
GAIN: +1.5 dBi PEAK
NOMINAL IMPEDANCE: 50 OHMS
VSWR: LES THAN 1.5:1 ACROSS FREQ. RANGE
POWER RATING: 1 WATT MAXIMUM
OPERATING TEMP.: -40°C TO 65°C

All Dimensions Are In Inches

LET	REVISIONS	DATE	CR	APP SCALE:	1:1	EQ. UNLESS NOTED
X1	CONCEPT	03/98		DR: SS CK:		.X. ± 0.30 .AV ± 0.15 ANGULAR ± 30
X2	CABLE LEN	03/98		CENTURION INT. INC CAL. 007-777 CAL. 007-8244 LINCOLN, NEBRASKA		
X3	ASSY	03/98		ANTENNA, RAFTOR		
X4	I-PC PIVOT	1/98		MATERIAL: HA		
				DATE:	03/19/98	DRG. NO.: PROT1606
						PG. 1/2
						REV. X3

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5.0 Antenna Specifications:

Manufacturer: NCC, Inc.

Model Number: N2400ESMA1B

Description: Ruggedized, elevated 2.4 GHz, 1/2 wave portable antenna with reverse SMA style connector. Flexible black vinyl molded body and cap, tuned and tested.

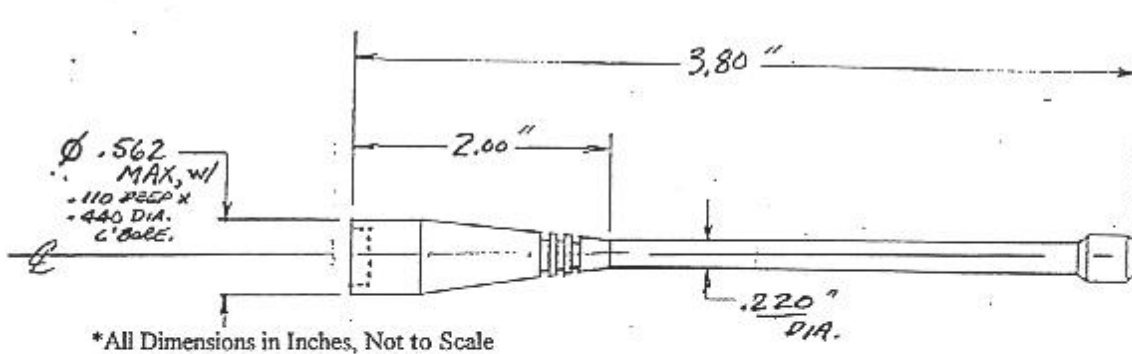
Antenna Type: Flexible Whip.

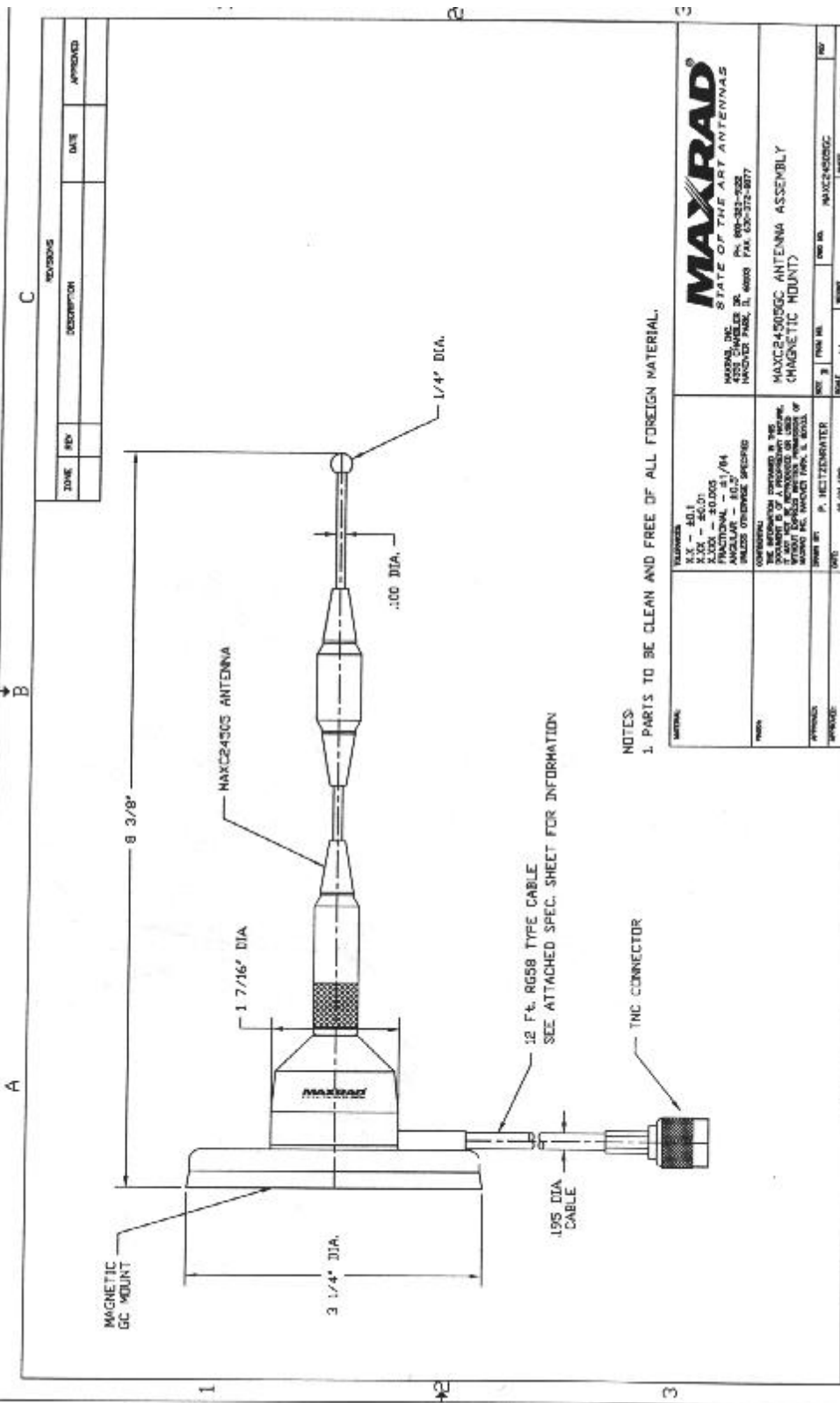
Frequency Ranges: 2.4 - 2.5 GHz

Gain: 2.0 dbi

Component Specifications:

- a) Mount: Reverse polarity SMA connector, with white dielectric.
- b) Radiator: RG - 178 / U 50 OHM Coaxial Cable
- c) Overmold: Black 80A durometer flexible vinyl body, molded over radiator and mount, cap adhesive bonded to body.





REVISIONS		
ZONE	REV	DESCRIPTION

DATE	APPROVED

NOTES:
 1. PARTS TO BE CLEAN AND FREE OF ALL FOREIGN MATERIAL.

MATERIAL	TOLERANCES FRACTIONS - .001 DECIMALS - .0005 ANGULAR - 1/16 HOLE SIZE - .002 UNLESS OTHERWISE SPECIFIED	MAXRAD® STATE OF THE ART ANTENNAS MAXRAD, INC. 4535 CHAMBERLAIN DR. HANOVER PARK, IL 60089 FAX 630-372-8877
FINISH	ALL SURFACES TO BE PROTECTED BY THE APPLICATION OF A PROTECTIVE COATING. THE COATING SHALL BE APPLIED TO ALL SURFACES WITHOUT REMOVAL OF THE PARTS FROM THE WORKING AREA.	MAXC240505C ANTENNA ASSEMBLY (MAGNETIC MOUNT)
APPROVED	DATE: 20/01/90	SHEET NO. MAXC240505C OF 1
APPROVED	DATE: 20/01/90	SHEET NO. MAXC240505C OF 1