

Trilogy AP

The Trilogy AP antenna is two sleeved dipole antennas for spatial diversity mounted in an integrated molded housing that mounts to the 11 Mbps series of Access Points. The gain is less than 2 dBi in all planes. The antenna assembly flips up or down to accommodate the access point mounting method of either a horizontal

<i>Location</i>	Table Top, Wall Mount
<i>Pattern</i>	Omni
<i>Type</i>	Spatial Diverse Dipoles
<i>Max Gain</i>	2 dBi
<i>Physical</i>	See attached dwg.
<i>Cable</i>	4.5" min
<i>Symbol P/N</i>	21-20667-XX

or vertical surface. The antenna can swivel to maintain its vertical orientation. This antenna can also be mounted in a plastic base with a longer cable for use with a Spectrum 24 PCI computer card. The antenna will, in this usage clearly will be more than 20 cm from the user and so, be classified as a mobile antenna.

The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C when ever the device configuration could reduce the MPE distance to be less than 20 cm.

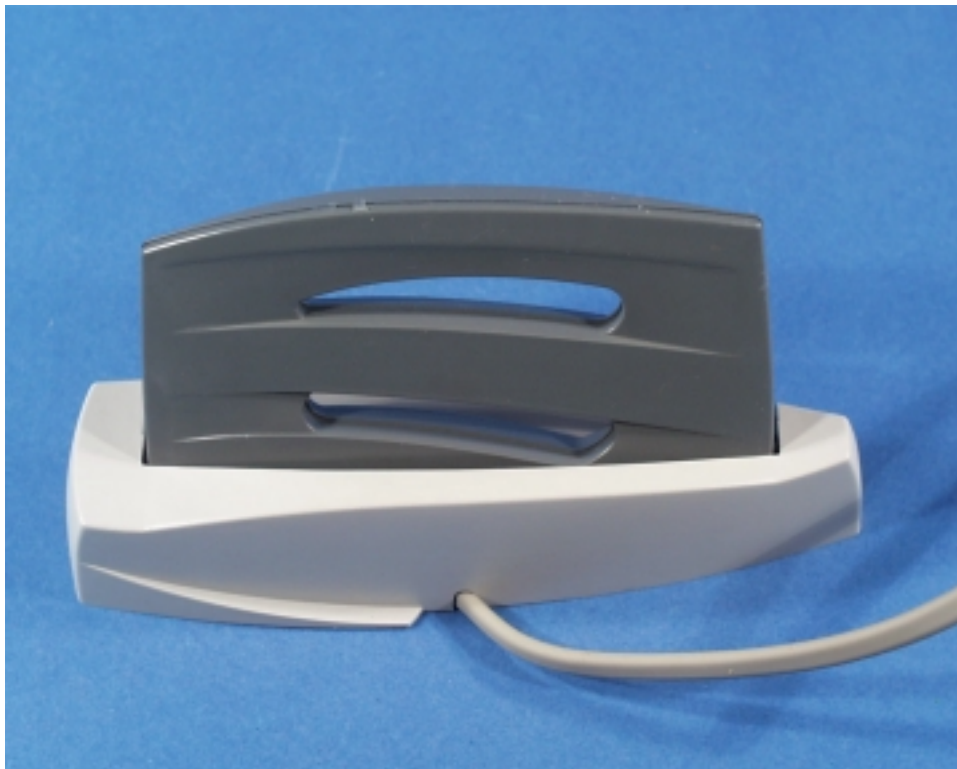
“Important Note: To comply with FCC RF exposure requirements, no one may remain within 20 cm of the antenna for extended periods of time.”



Antenna Installed in Flip up holder



Access point table top configuration



Remote bracket holder.

8

7

6

5

4

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2

1

REVISIONS			
REV.	DESCRIPTION	E.C.	DATE
1	ENGINEERING DRAWING		8-23-99
2	4.52 WAS 4.19		8-27-99
3	CHANGED DIRECTION OF CONNECTORS	21437	9-22-99
4	ADDED -03 COLOR	21585	11-99
A	RELEASE FOR PRODUCTION	21680	
B	ADDED NOTES TO SHOW BEND IN ANTENNAS	D4762	

D

D

C

C

B

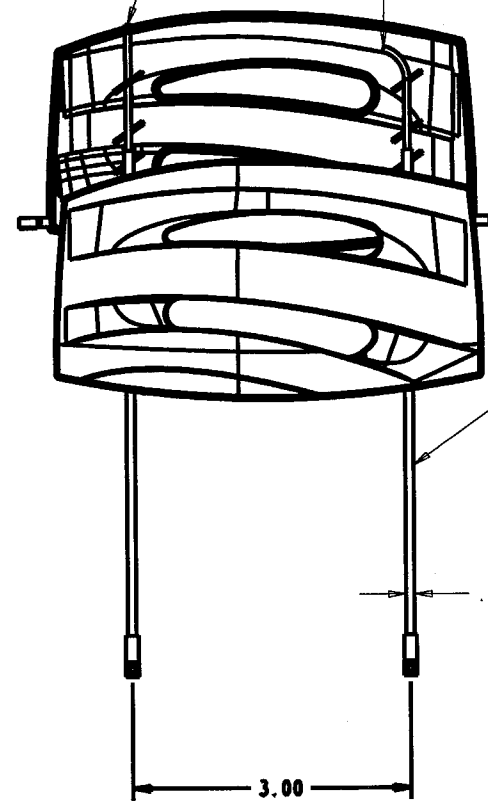
B

A

A



BEND CENTER CONDUCTOR INWARD -- TO BE INSIDE HOUSING
AS SHOWN HERE



TOP 11-20581-XX
(SHOWN OUT OF POSITION)

CABLE 25-20665-01

.089 DIA

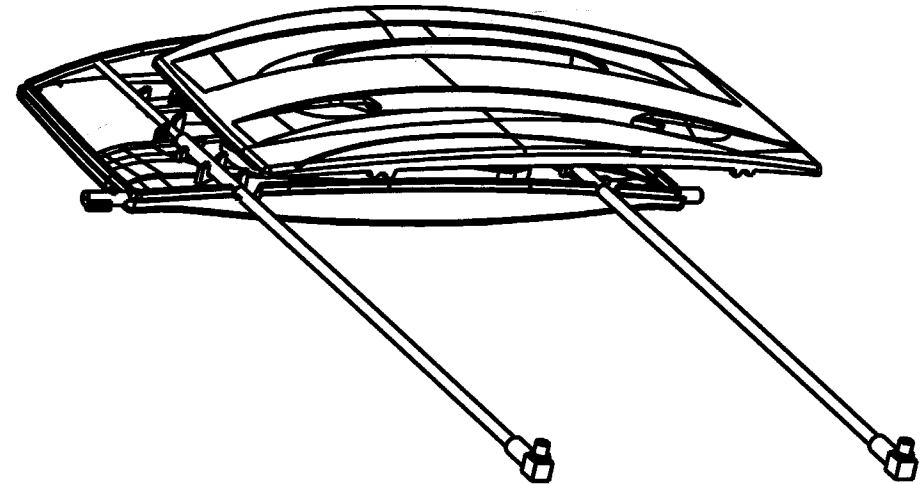
3.00

MMX CONNECTORS POINTED TOWARD ANTENNA TOP



4.52

BOTTOM 11-20582-XX



SCALE 1.500

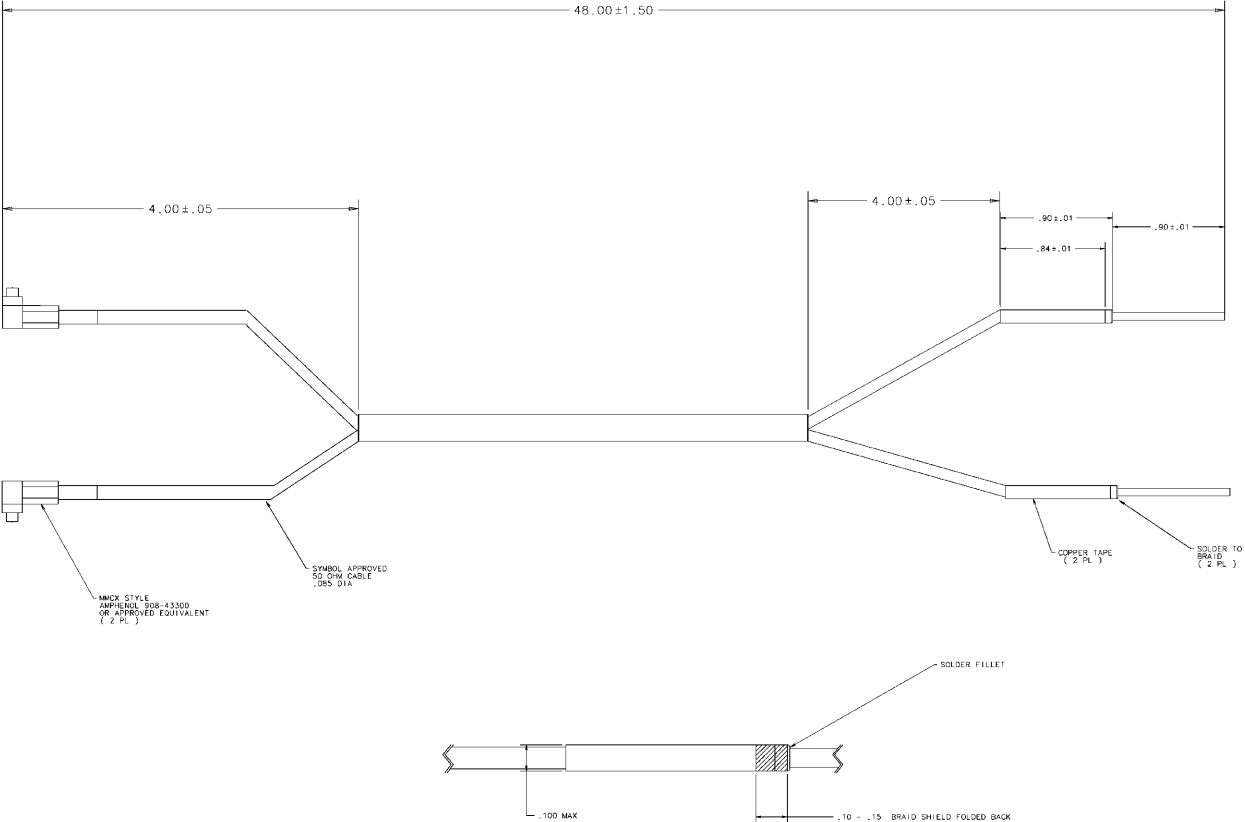
TABULATION BLOCK

DASH NO.	CUSTOMER/COLOR
-01	SYMBOL/ DARK GREY
-02	3COM/ COOL GREY
-03	3COM/ LIGHT GREY

SYMBOL TECHNOLOGIES	
SAN JOSE, CALIFORNIA	
ANTENNA ASSEMBLY, DUAL PORT VISUAL AID	
D 21-20667-XX	
SCALE: NONE	

SYMBOL TECHNOLOGIES	
SAN JOSE, CALIFORNIA	
ANTENNA ASSEMBLY, DUAL PORT VISUAL AID	
D 21-20667-XX	
SCALE: NONE	

REVISIONS							
REV	ZONE	DESCRIPTION	E.C.	BY	APPROV.	DATE	
1	~	RELEASED PER PPD# 53027	~	LW	TK	12/11/99	



- NOTES:
- 1) FOLD BRAID AROUND JACKET. WRAP COPPER TAPE AROUND JACKET AND BRAID. SOLDER BRAID TO COPPER TAPE.
 - 2) WORKMANSHIP PER STI STANDARDS #SS-03800-57-14.
 - 3) PACKAGE 10 CABLES PER BAG.

ITEM		QTY	PART NO.		DESCRIPTION			REMARKS/REF. SYMBOL		
PARTS LIST										
THE DRAWING & SPECIFICATION CONTAINING THIS AND ALL MATERIALS, EQUIPMENT, AND SUPPLIES ARE THE PROPERTY OF SYMBOL TECHNOLOGIES INC. AND ARE TO BE USED ONLY FOR THE PROJECT SPECIFICALLY IDENTIFIED ON THE DRAWING. ANY REUSE OR REPRODUCTION OF THIS DRAWING OR ANY PART THEREOF WITHOUT THE WRITTEN PERMISSION OF SYMBOL TECHNOLOGIES INC. IS STRICTLY PROHIBITED. ANY INFORMATION CONTAINED HEREIN IS UNCLASSIFIED EXCEPT WHERE SHOWN OTHERWISE.			DIMENSIONS ARE IN		APPROVALS		SYMBOL TECHNOLOGIES INC.			
			UNLESS OTHERWISE SPECIFIED		DATE		Bohemia, New York			
			MM		INCH	DRAWN	L. WENDT	12/13/99		
			XX - XX		MM - XX	CHECKED	T. KENDE	12/13/99		
			XX - XX		MM - XX	ENGINEER	THOMAS	12/17/99		
			MATERIAL: MM - XX - 1/2" THICKNESS - 1/2" MFG.		PRODUCT:					
			FINISH:		QUALITY:					
			SCALE: NONE		DO NOT SCALE DRAWING					
TRILogy			SIZE D DWG NO. 25-20728-01 REV 1							
NEXT ASSY			SCALE: NONE REMOTE ANTENNA SHEET 1 OF 1							

Novas Antenna

The **Novas** antenna is 0 dBi omnidirectional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. The **Novas** uses a MMCX . In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	RG-178
<i>Symbol P/N</i>	50-21900-034
<i>EIRP</i>	See Summary Tbl

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and the user’s body.”



Antenna Installed in Device

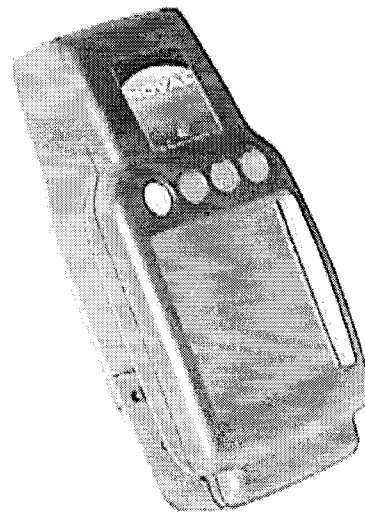
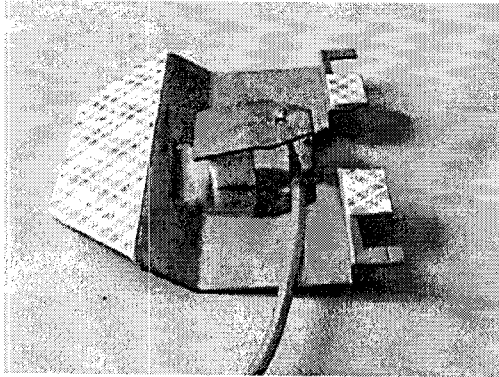
Information for internal antenna for Global Data - Granite Communications NOVAS Product.

Antenna Manufacturer: Tecom Industries
9324 Topanga Canyon BLVD
Chatsworth, CA 91311

Antenna Part Number: 703562

Antenna Mechanical Drawing: See Attached.

Antenna Photograph:



Antenna Location in Product: Product Photograph:
Behind NOVAS Label at top of unit.

Antenna Characteristics: See attached Data Plots.

Symbol Radio to be certified with: LA-3020 100mW

Certifications Required: FCC 15.247 Only at this time.

Global Data - Granite Communications contact: Bob Douthart
603-881-8666 x142
bdouthart@gcicom.com

SHEET 1 OF 1

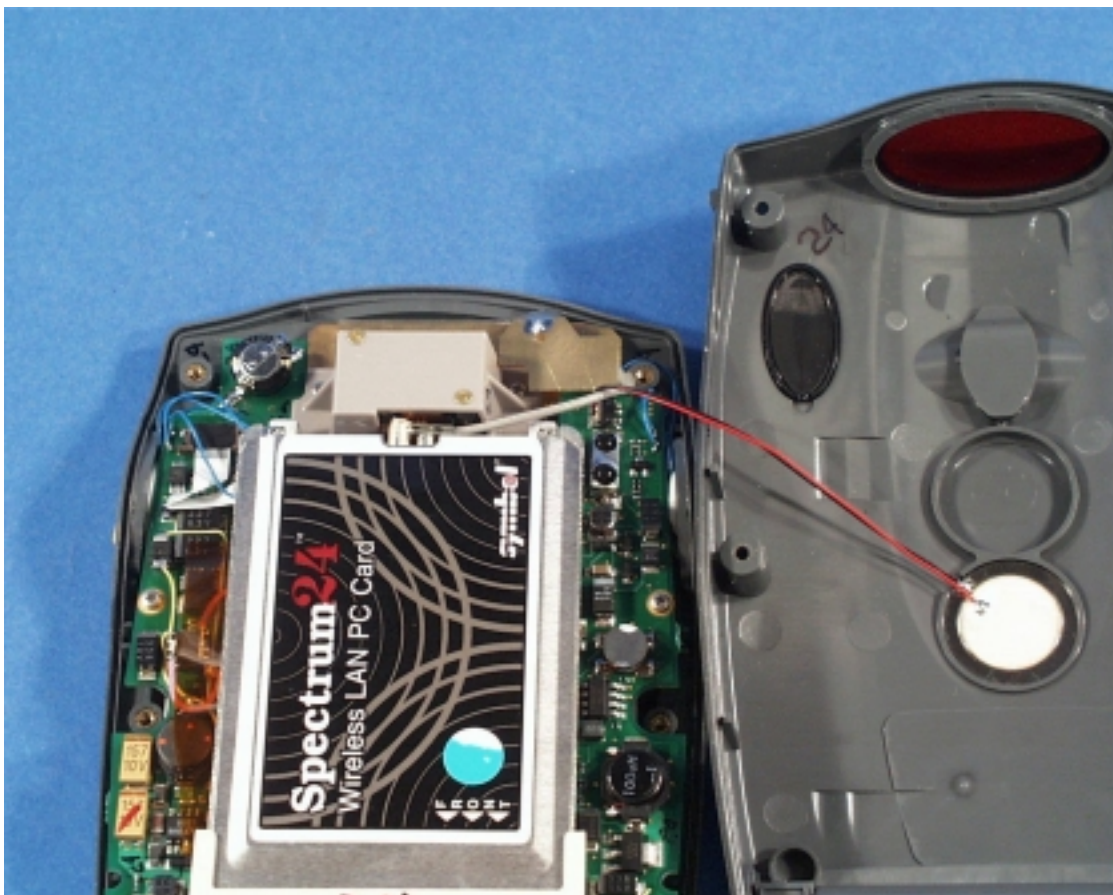
P/N/C		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES: DIM 1/32 DIA 1/32 ANGLES 45° MACHINED SURFACE: 32-40 RMS 125-315 REMAINING SURFACES: 250-315 MACHINED FLATS: 8-100-125 DIMENSIONS ARE AFTER PLATING MACHINED DIA'S ON COMMON CENTERLINE CONCENTRIC WITHIN .005 ITS INTER-HET PER ANSI Y14.1M-1992		CONTRACT NUMBER		 TEGOW INDUSTRIES INC. 8554 YONGE ST. #10 CHICAGO, IL 60617 TECHNICAL SUPPORT CENTER NO. 001	
		MOVE TOLERANCES: .043 - .128 .003 +.008 .138 - .228 .004 +.009 .234 - .260 .003 +.010 .1031 UP .001 +.002		CONTRACTOR		TITLE ANTENNA, 2.4 GHZ, (NOVAS)	
		MATE LING APPROVAL		DRAWN BY J. LOWE		DATE 2-26-99	
022260		CP50-092		CHECKER		MTC ENGR	
NEXT ASSY		USED ON		QA		ENGR	
APPLICATION				P/CHG MGR		ENGR	
				BI		SIZE CAGE CODE DWG NO 703562	
				SCALE 2/1		UNIT WT SHEET 1 OF 1	

1740 / 1742 Antenna

The **1740** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The **1742** uses the MMCX connector instead of the MuRata BFA. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYH75, RG-178
<i>Symbol P/N</i>	703549-1

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”

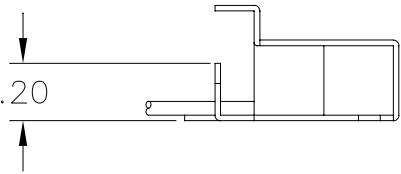
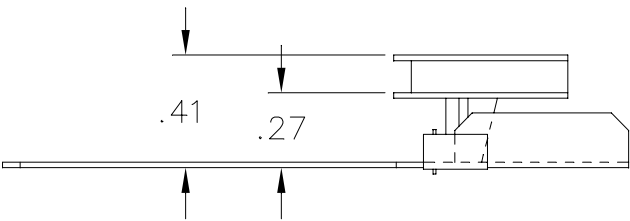
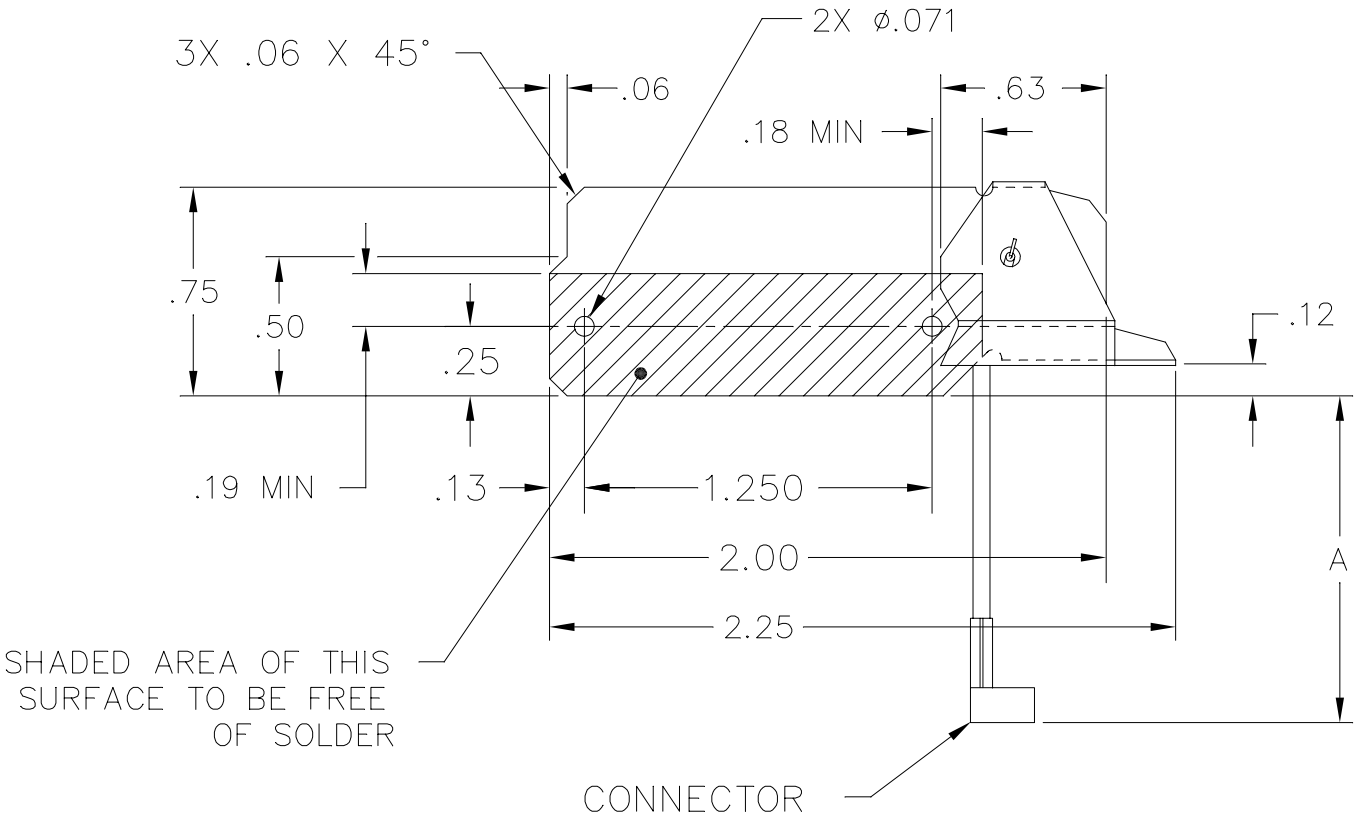


Antenna Installed in Device



Terminal Use Photo

TECOM PROPRIETARY:
INFORMATION CONTAINED HEREIN SHALL NOT BE DISCLOSED TO
A THIRD PARTY WITHOUT WRITTEN PERMISSION FROM TECOM.



REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
.	B	1.16±.12 WAS 2.06±.12. .63 WAS .750 ADDED .71, .41, .20. CHANGED PICTORIALY. REDRAWN. WD 2357, 2372	3-26-99 JL	BI MMZ JK
4C-D	C	ADDED .38, R.09. NOTCH WAS .06 (IS .13). WD CP90-476	6-10-99 <i>Alan</i>	BI JK
.	D	DELETED .38, R .09 NOTCH ADDED .06 & .50 3X .06 X 45° WAS 2X ... ADDED .18 MIN, .19 MIN ADDED " NO SOLDER CALLOUT" UPDATED NOTES REDRAWN	7-23-99 JL	
B4	E	ADDED -2 CONFIG & TAB. BLOCK CALLOUT WAS: CONNECTOR, MURATA TYPE BFA WD CP90-924	12-8-99 JL	

-2	MMCX MALE RT ANGLE	1.85±.12	E
-1	MURATA TYPE BFA	1.16±.12	D
DASH NO	CONNECTOR	A	REV

SPECIFICATIONS

FREQUENCY: _____ 2.4-2.485 GHZ
VSWR: _____ 2.0:1 MAX
GAIN: _____ 0dBi NOMINAL
POLARIZATION: _____ LINEAR

2. ALTERNATE:
MATERIAL: CRS 1008, .010 THK.
FINISH: BRIGHT TIN PLATE PER
MIL-T-10727A, TYPE 1, ELECTRO
DEPOSITED .00010-.00025 IN.
1. MATERIAL: ELECTROLYTIC TIN
PLATED STEEL SHEET, .010 THK.

NOTES : UNLESS OTHERWISE SPECIFIED



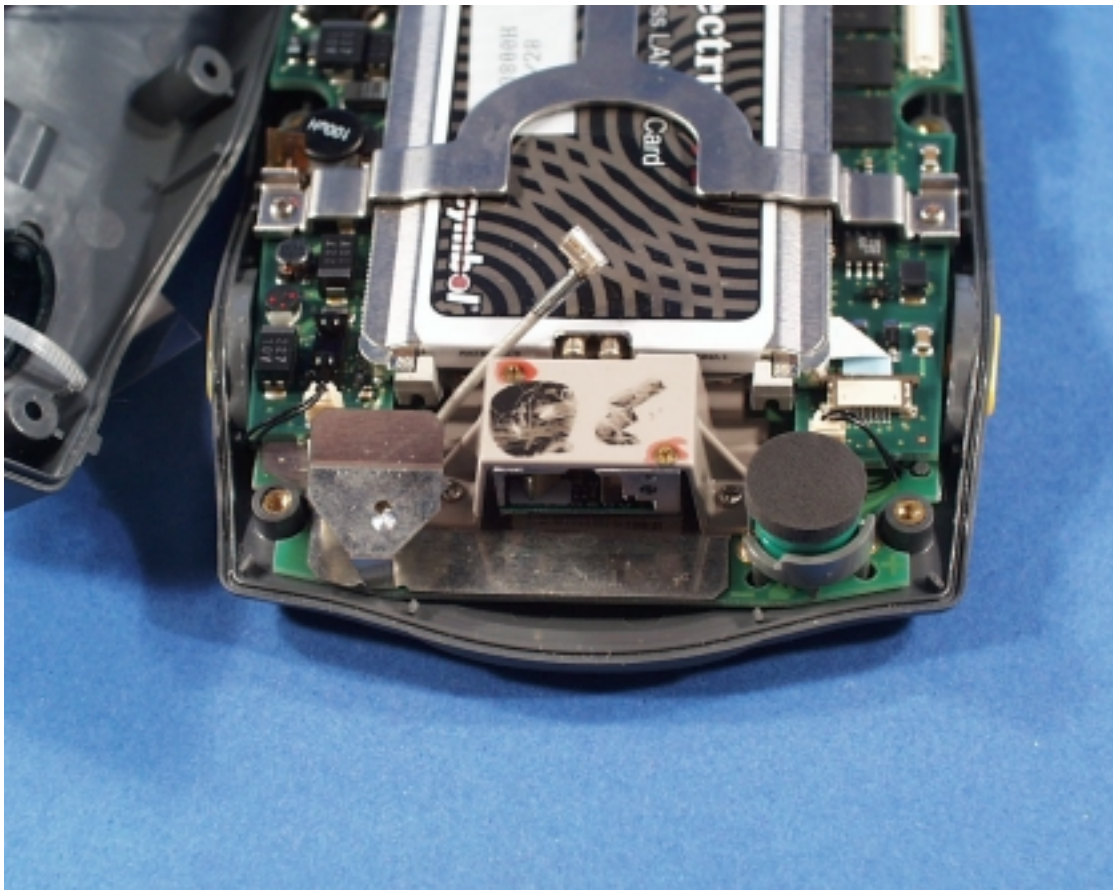
PMIC		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .XX ± .03 .XXX ± .010 ANGLES ± 0°30' MACHINED SURFACE ROUGHNESS 125✓ REMOVE BURRS, SHARP EDGES R.005-.015 MACHINED FILLETS R.005-.015 DIMENSIONS ARE AFTER PLATING. MACHINED DIA'S ON COMMON CENTERLINE CONCENTRIC WITHIN .005 TIR. INTERPRET PER ANSI Y14.5M-1982.	CONTRACT NUMBER		TECOM INDUSTRIES INC. 9324 TOPANGA CYN BLVD CHATSWORTH, CA. 91311 <i>TECHNICAL EXCELLENCE COMMITTED TO QUALITY</i>				
			CONTRACTOR		TITLE ANTENNA, 2.4 GHZ				
			DRAWN BY J. LOWE	DATE 1-15-99					
			CHECKER	MFG ENGR					
			QA	ENGR	SIZE C				
	(10-36063-01)	HOLE TOLERANCES:		CAGE CODE 52791					
	(DRAGON)	.040 - .128 + .003 - .001	.515 - .750 + .008 - .001	DWG NO 703549					
822903	CP80-875	.136 - .228 + .004 - .001	.765 - 1.000 + .010 - .002	QA	ENGR	BI			
NEXT ASSY	USED ON	.234 - .500 + .006 - .001	1.031 UP + .015 - .002						
		MATL ENGR	APPROVAL	PRGM MGR	ENGR				
APPLICATION						SCALE 2/1	UNIT WT .	SHEET 1 OF 1	

2740 / 2742 Antenna

The 2740 antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. The 2740 uses a Murata Erie BFA connector while the 2742 uses the MMCX. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYPH75, RG-178
<i>Symbol P/N</i>	703624-1, 703624-2

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”

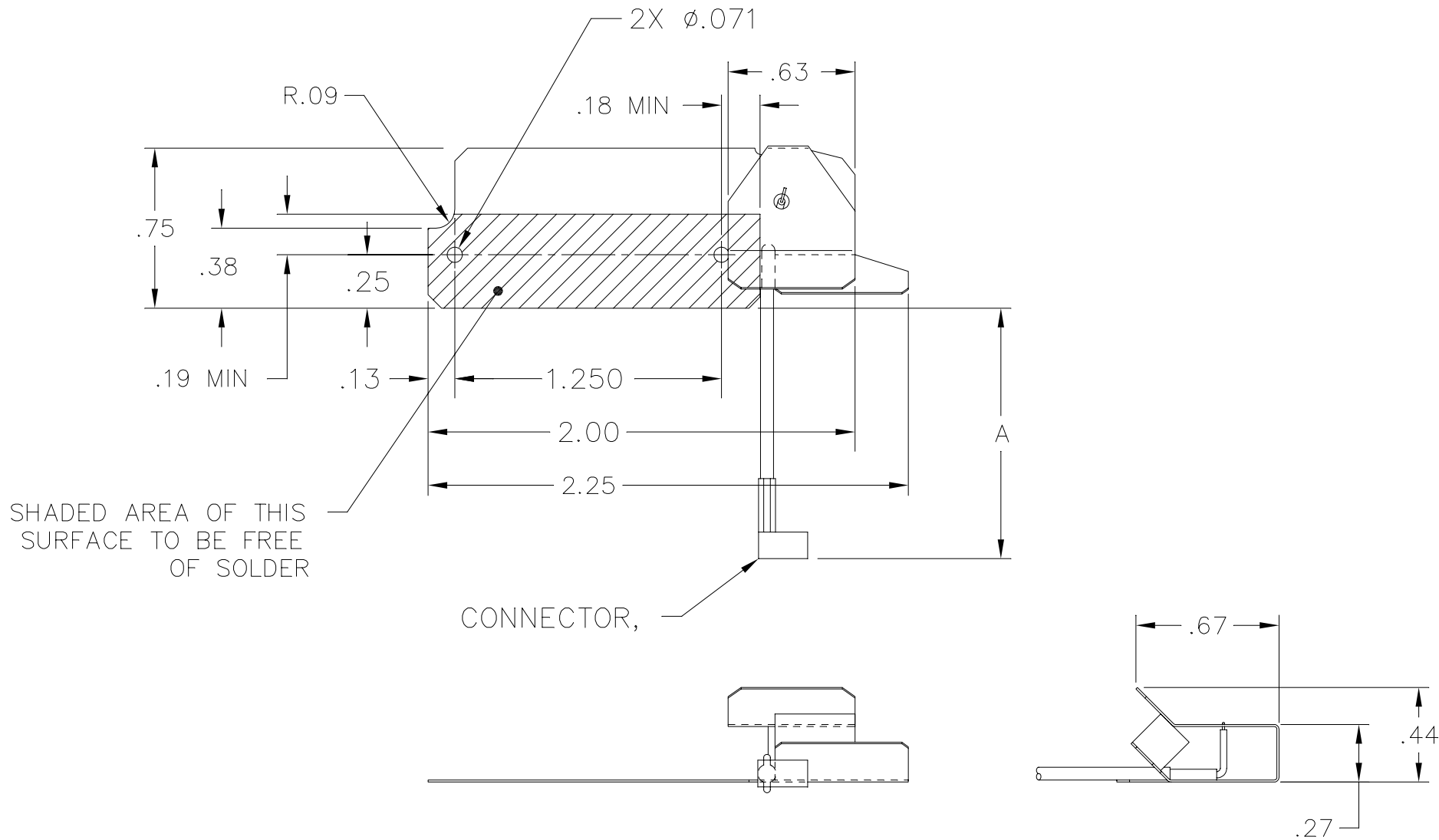


Antenna Installed in Device



Terminal Use Photo

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE
APPROVED			



SPECIFICATIONS

FREQUENCY: _____ 2.4-2.485 GHZ
VSWR: _____ 2.0:1 MAX
GAIN: _____ 0dBi NOMINAL
POLARIZATION: _____ LINEAR

4. SHARP CORNERS & EDGES .005 MAX.
3. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
2. ALTERNATE:
MATERIAL: CRS 1008, .010 THK.
FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1, ELECTRO DEPOSITED .00010-.00025 IN.
1. MATERIAL: ELECTROLYTIC TIN PLATED STEEL SHEET, .010 THK.

-2	MMCX MALE RT ANGLE	1.85±.12	-
-1	MURATA TYPE BFA	1.16±.12	-
DASH NO	CONNECTOR	A	REV

NOTES : UNLESS OTHERWISE SPECIFIED

PMIC		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .XX ± .03 .XXX ± .010 ANGLES ± 0°30' MACHINED SURFACE ROUGHNESS 125✓ REMOVE BURRS, SHARP EDGES R.005-.015 MACHINED FILLETS R.005-.015 DIMENSIONS ARE AFTER PLATING. MACHINED DIA'S ON COMMON CENTERLINE CONCENTRIC WITHIN .005 TIR. INTERPRET PER ANSI Y14.5M-1982.	
		HOLE TOLERANCES:	
	(PICO II)	.040 - .128 +.003 -.001	.515 - .750 +.008 -.001
823335	CP90-924	.136 - .228 +.004 -.001	.765 - 1.000 +.010 -.002
NEXT ASSY	USED ON	.234 - .500 +.006 -.001	1.031 UP +.015 -.002
APPLICATION		MATL ENGR	APPROVAL

CONTRACT NUMBER	
CONTRACTOR	
DRAWN BY J. LOWE	DATE 12/1/99
CHECKER	MFG ENGR
QA	ENGR
PRGM MGR	ENGR

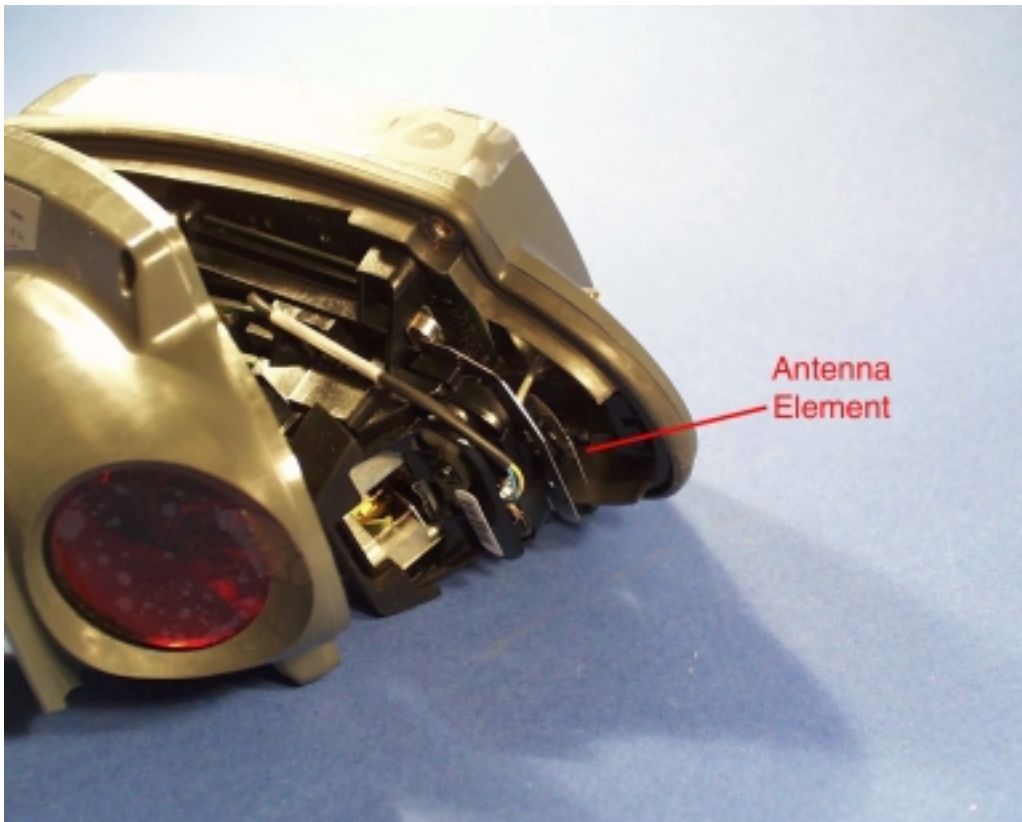
		TECOM INDUSTRIES INC. 9324 TOPANGA CYN BLVD CHATSWORTH, CA. 91311 <i>TECHNICAL EXCELLENCE COMMITTED TO QUALITY</i>	
		TITLE ANTENNA, 2.4 GHZ	
SIZE C	CAGE CODE 52791	DWG NO 703624	
SCALE 2/1	UNIT WT .	SHEET 1 OF 1	

7240 / 7242 Antenna

The **7240** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. The **7240** uses the MuRatta BFA connector. The **7242** is identical to the **7240** but uses the MMCX connector. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYP75, RG-178
<i>Symbol P/N</i>	10-35475-01, 10-35477-01

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”

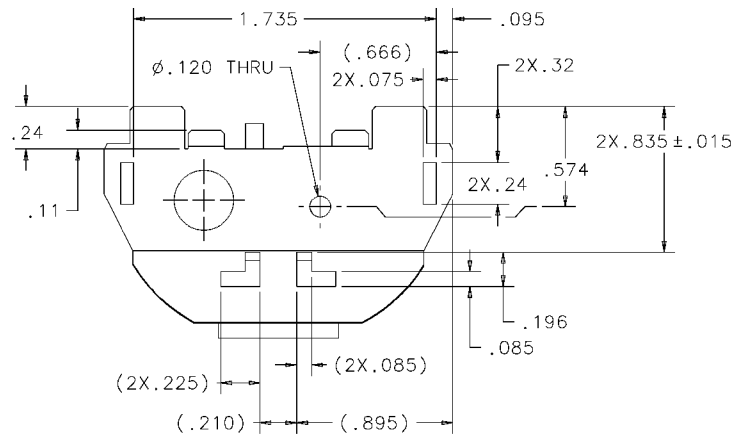
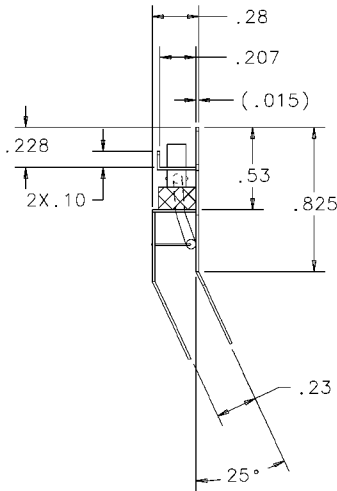
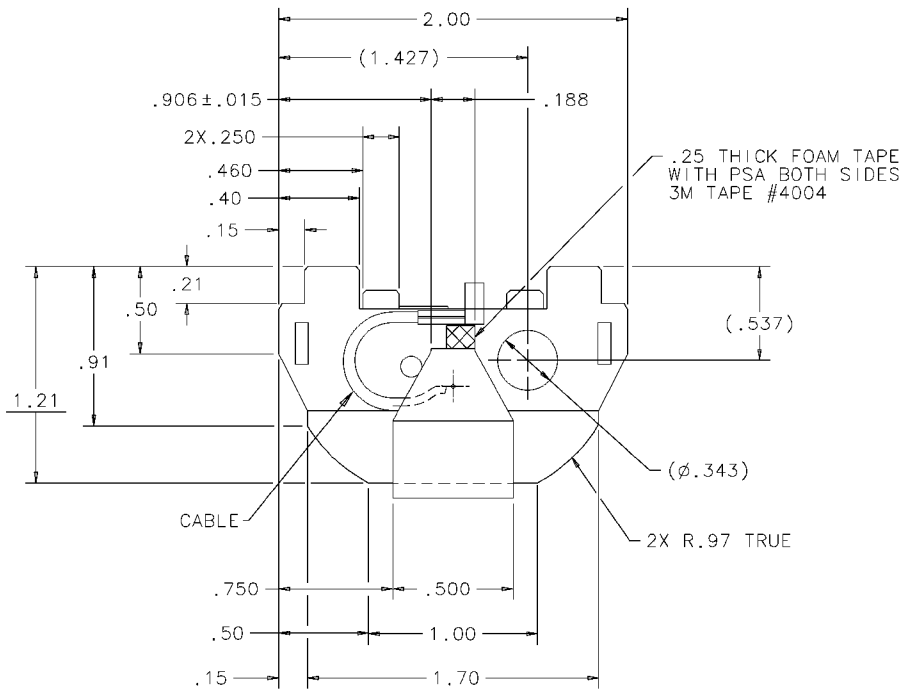


Antenna Installed in Device



Terminal Use Photo

REVISIONS							
REV	ZONE	NO.	DESCRIPTION	E.C.	BY	APVD.	DATE
A			RELEASED PER EDR #54642		MB		02/17/00



NOTES: UNLESS OTHERWISE SPECIFIED:

- 1) MATERIAL: CRS 1008, .015 ± .001 THK, SHARP CORNERS AND EDGES .005 MAX.
ALTERNATE: ELECTROLYTIC TIN COATED COLD ROLLED STEEL .015 THICK.
NON-PLATED EDGES ARE PERMISSIBLE.
- 2) FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1, ELECTRO DEPOSITED .00010-.00025 IN. FINISH SHALL BE UNIFORM EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
- 3) PACKAGE ITEMS IN ACCORDANCE WITH STI GENERAL PACKAGING SPEC #50-04100-013.
- 4) PARTS SHALL MEET THE CRITERIA PER STI WORKMANSHIP STANDARD SS-03800-57.

SPECIFICATIONS

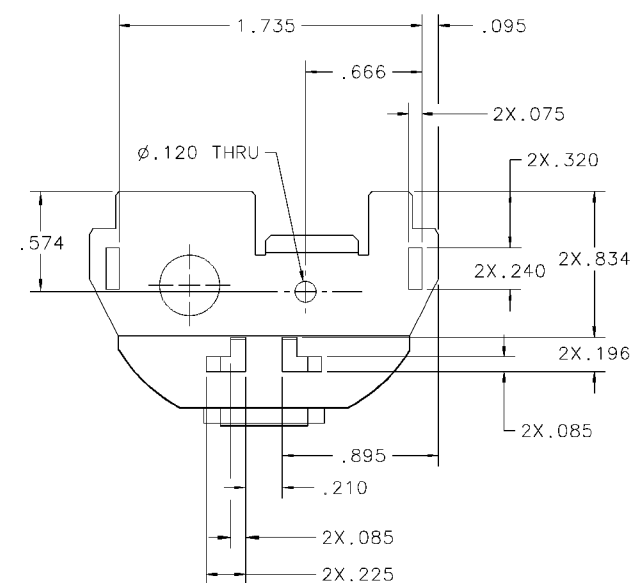
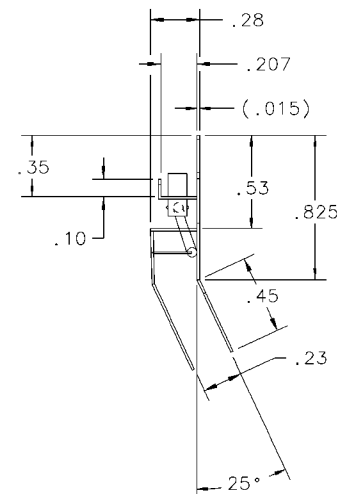
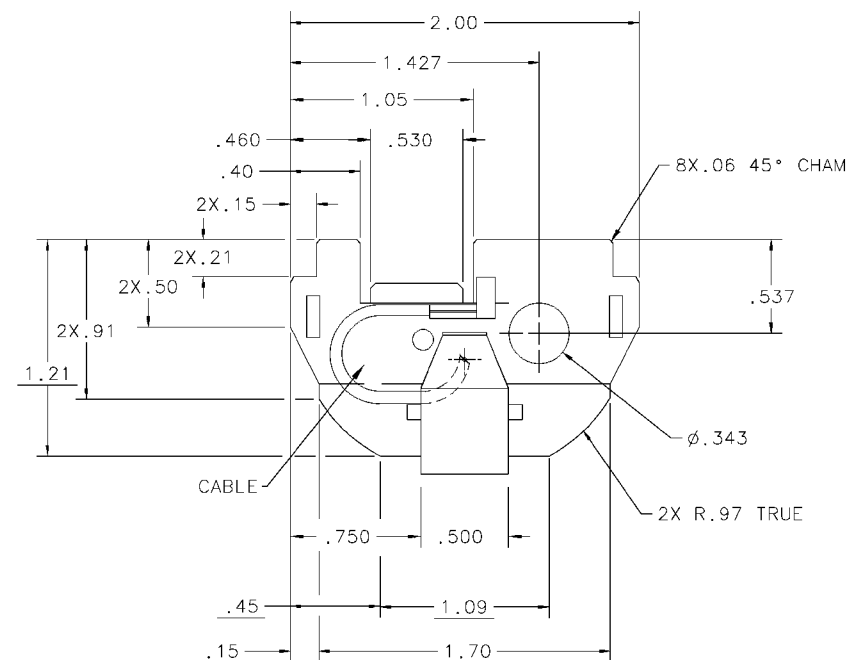
FREQUENCY: 2.4-2.485 GHz
VSWR: 2.0:1
GAIN: 0dbi NOMINAL
POLARIZATION: LINEAR
CABLE: MURATA MXYH75
CONNECTOR: TYPE BFA

* PROPRIETARY CONTENT *
THE DRAWING CONTENT AND SPECIFICATION
CONTAINED HEREIN ARE PROPRIETARY AND
MUST NOT BE USED, COPIED, REPRODUCED
OR OTHERWISE DEALT WITH OR COMMUNICATED
TO OTHERS EXCEPT IN ACCORDANCE WITH
WRITTEN INSTRUCTIONS RECEIVED FROM
SYMBOL TECHNOLOGIES INC.
COMPUTER GENERATED DRAWING
DO NOT SCALE

TOLERANCE CHART		
UNLESS OTHERWISE SPECIFIED		
	INCH	MM
.XX	+/- .01	+/- .25
.XXX	+/- .005	+/- .125

APPROVALS		DATE	SYMBOL TECHNOLOGIES INC.	
DRAWN	JKW	05-05-99	One Symbol Plaza Holtsville, NY 11742	
CHECKED	M.SAVONA	05-05-99	ANTENNA: 2.4GHZ	
ENGINEER	J.CONNELLY	05-05-99		
ANALYST	L.DOBKOWSKI	05-05-99		
MFG. ENG.			SIZE	DWG. NO.
PRODUCT			D	10-35475-01
QUALITY			SCALE: 2/1	SHEET 1 OF 1

REVISIONS						
REV	ZONE	NO.	DESCRIPTION	E.C.	BY	APVD. DATE
1			INITIAL RELEASE PER PPD# 51859		JKW	11-03-99
2			REVISED PER PPD #52781 1) REVISED PER TECOM'S DWG		MB	12/8/99
3			REVISED PER PPD #53240 1) DIM .45 WAS .42 2) ADDED NOTE 5		MB	12/29/99



SPECIFICATIONS

NOTES: UNLESS OTHERWISE SPECIFIED:

1. MATERIAL: CRS 1008, .015 THK, SHARP CORNERS AND EDGES .005 MAX.
ALTERNATE: ELECTROLYTIC TIN.
2. FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1, ELECTRO
DEPOSITED .00010-.00025 IN. FINISH SHALL BE UNIFORM
EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN
VIEWED WITH THE UNAIDED EYE. EDGE PLATING ON CUT OR
SHEARED SURFACES IS NOT REQUIRED.
3. PACKAGE ITEMS IN ACCORDANCE WITH STI GENERAL PACKAGING
SPEC #50-04100-013.
4. WORKMANSHIP PER STI STANDARD SS-03800-57.
5. ALL UNDERLINED DIMENSIONS ARE OUT OF SCALE AND ARE NOT
REFLECTED IN THE 3-D DATA BASE

FREQUENCY: 2.4-2.485 GHz
VSWR: 2.0:1
GAIN: 0db; NOMINAL
POLARIZATION: LINEAR
CABLE: RG178
CONNECTOR: 50-22100-029 (MMCX)

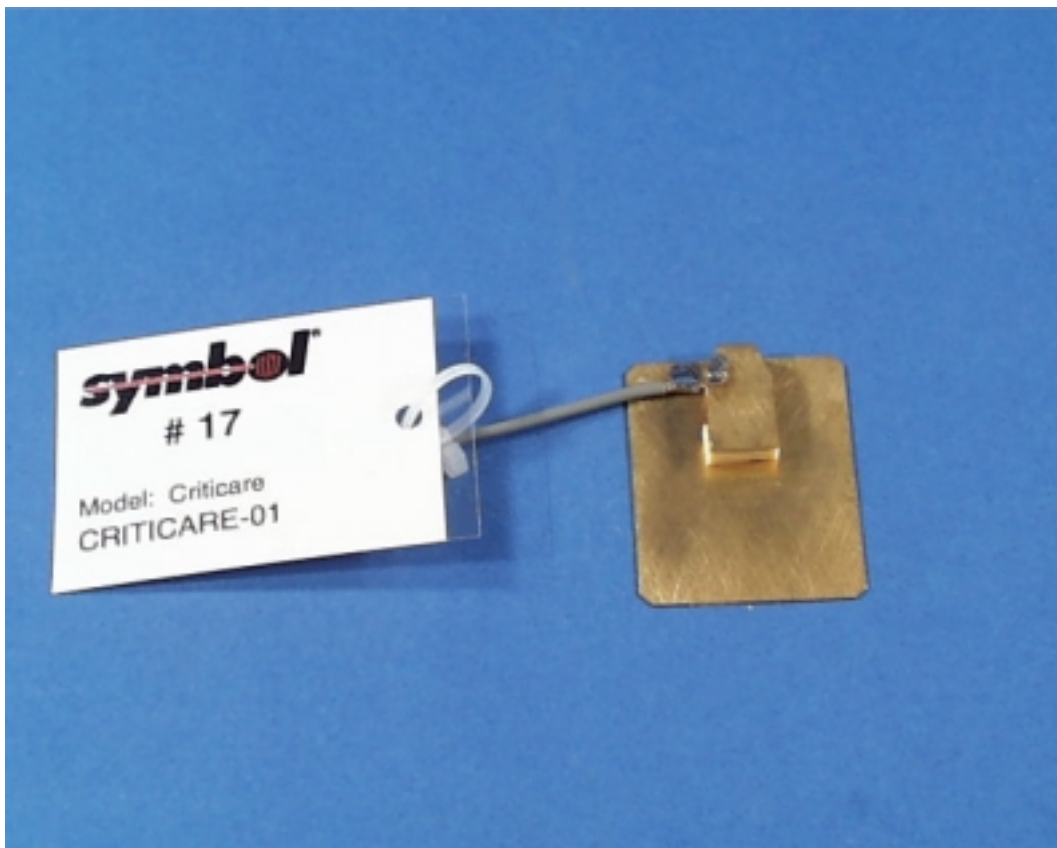
ITEM	QTY	PART NO.	DESCRIPTION	REMARKS/REF. SYMBOL
PARTS LIST				
DIMENSIONS ARE IN UNLESS OTHERWISE SPECIFIED XX MM INCH -/- -/- -/- XXXX -/- -/- -/- ANGLES +/- 0.30° FRACTIONS +/- 1/64 MATERIAL: SEE NOTE 1 FINISH: SEE NOTE 2			APPROVALS DATE DRAWN JKW 11-03-99 CHECKED M. SAVONA 11-03-99 ENGINEER J. CONNELLY 11-03-99 SYMBOLE TECHNOLOGIES INC. Bohemia, New York ANTENNA: 2.4GHZ, 11/2MBPS, PDT7200	
00		DO NOT SCALE DRAWING	PRODUCT QUALITY ANALYST J. DOBKOWSKI 12-29-99	S/ZE DWS. NO. 10-35477-01 REV 3 D SCALE: 2:1 SOLID MODEL SHEET 1 of 1

Criticare BFA / Criticare MMCX Antenna

The **Criticare** antenna is 0 dBi omnidirectional in azimuth plane. It is mounted internally on the left end of the terminal as shown in the attached exploded assembly drawing. The **BFA** version uses a Murata Erie BFA connector while the MMCX uses the MMCX connector. In its use it could be within 5 cm of a persons body. It is used in portable devices.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYH75, RG-178
<i>Symbol P/N</i>	50-21900-021, 703443-2
<i>EIRP</i>	See Summary Tbl

Note: This antenna / terminal configuration is only to be used with a transmitter that produces an EIRP of less than 200 mW. For an EIRP of more than 200 mW a SAR test must be performed.



Antenna Photo



IV Pole Configuration

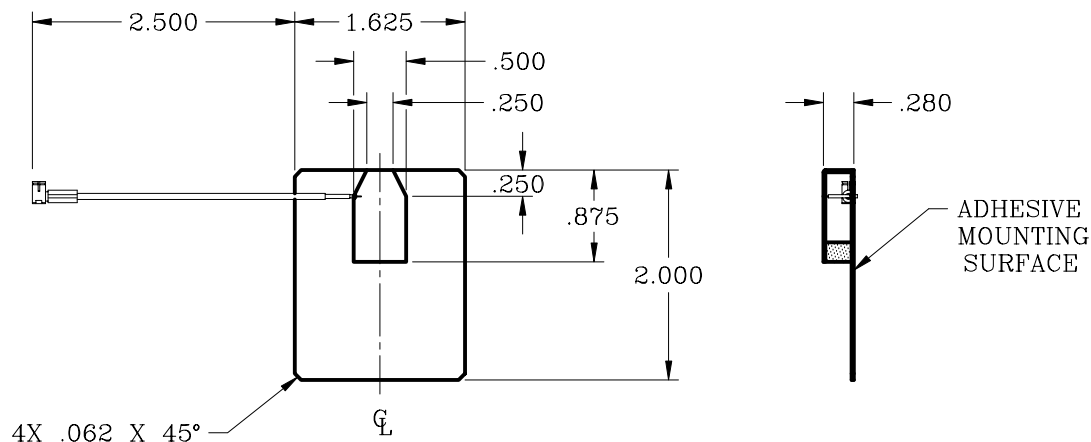


Ambulatory Configuration

THE RESTRICTIONS GOVERNING THE USE OF TECHNICAL DATA MARKED WITH THIS LEGEND ARE SET FORTH IN THE DEFINITION OF "LIMITED RIGHTS" IN DFARS 227.472. THIS LEGEND, TOGETHER WITH THE INDICATIONS OF THE PORTIONS OF THIS DATA WHICH ARE SUBJECT TO LIMITED RIGHTS SHALL BE INCLUDED ON ANY REPRODUCTION HEREOF WHICH INCLUDES ANY PART OF THE PORTIONS SUBJECT TO SUCH LIMITED RIGHTS.

REVISIONS

ZONE	LTR	DESCRIPTION	DATE	APPROVED
B2,C3	A	CABLE/CONNECTOR: WAS: MMCX RIGHT ANGLE ADDED IMPEDANCE DIM: .280 WAS: .290 MATERIAL: WAS: .020 THK	2-26-98 TSR	
	B	CONNECTOR WAS FACING OPPOSITE OF SHOWN. ADDED CABLE/CONNECTOR SIDE VIEW. WO 4941	3-13-98 <i>Dwan</i>	



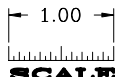
SPECIFICATIONS

FREQUENCY: _____ 2.4–2.485 GHz
 VSWR: _____ 2.0:1
 GAIN: _____ +0 dBi NOM
 IMPEDANCE: _____ 50 OHM
 CABLE/CONNECTOR: _____ MURATA ERIE
 _____ MXYH62–XX–XXXX

2. FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1, ELECTRO DEPOSITED .0001-.00025 IN. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.

1. MATERIAL: CRS 1008 .015 THK
CORNERS AND EDGES TO BE .005 MAX
ALTERNATE: ELECTROLYTIC TIN

NOTES : UNLESS OTHERWISE SPECIFIED



PMIC		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES. TOLERANCES: .XX ± .03 XXX ± .010 ANGLES ± 0°30' MACHINED SURFACE ROUGHNESS 125 ✓ REMOVE BURRS, SHARP EDGES R.005-.015 MACHINED FILLETS R.005-.015 DIMENSIONS ARE AFTER PLATING. MACHINED DIA'S ON COMMON CENTERLINE CONCENTRIC WITH .005 TIR INTERPRET PER ANSI Y14.5M-1982. HOLE TOLERANCES: <table><tr><td>.040 - .128</td><td>$\begin{smallmatrix} +.003 \\ -.001 \end{smallmatrix}$</td><td>.515 - .750</td><td>$\begin{smallmatrix} +.008 \\ -.001 \end{smallmatrix}$</td></tr><tr><td>.136 - .228</td><td>$\begin{smallmatrix} +.004 \\ -.001 \end{smallmatrix}$</td><td>.765 - 1.000</td><td>$\begin{smallmatrix} +.010 \\ -.002 \end{smallmatrix}$</td></tr><tr><td>.234 - .500</td><td>$\begin{smallmatrix} +.006 \\ -.001 \end{smallmatrix}$</td><td>1.031 UP</td><td>$\begin{smallmatrix} +.015 \\ -.002 \end{smallmatrix}$</td></tr></table> MATL ENGRAPPROVAL	.040 - .128	$\begin{smallmatrix} +.003 \\ -.001 \end{smallmatrix}$	.515 - .750	$\begin{smallmatrix} +.008 \\ -.001 \end{smallmatrix}$	.136 - .228	$\begin{smallmatrix} +.004 \\ -.001 \end{smallmatrix}$	.765 - 1.000	$\begin{smallmatrix} +.010 \\ -.002 \end{smallmatrix}$	.234 - .500	$\begin{smallmatrix} +.006 \\ -.001 \end{smallmatrix}$	1.031 UP	$\begin{smallmatrix} +.015 \\ -.002 \end{smallmatrix}$	CONTRACT NUMBER		TECOM INDUSTRIES INC. 9324 TOPANGA CYN BLVD CHATSWORTH, CA. 91311 <i>TECHNICAL EXCELLENCE COMMITTED TO QUALITY</i> TITLE ANTENNA, 2.4 GHZ TYPE 505112E
.040 - .128	$\begin{smallmatrix} +.003 \\ -.001 \end{smallmatrix}$		.515 - .750	$\begin{smallmatrix} +.008 \\ -.001 \end{smallmatrix}$													
.136 - .228	$\begin{smallmatrix} +.004 \\ -.001 \end{smallmatrix}$		.765 - 1.000	$\begin{smallmatrix} +.010 \\ -.002 \end{smallmatrix}$													
.234 - .500	$\begin{smallmatrix} +.006 \\ -.001 \end{smallmatrix}$		1.031 UP	$\begin{smallmatrix} +.015 \\ -.002 \end{smallmatrix}$													
			CONTRACTOR		DRAWN BY TOM RING	DATE 2-2-98											
			CHECKER		MFG ENGR												
			QA		ENGR												
			PRGM MGR		ENGR												
					SIZE	CAGE CODE	DWG NO										
	WC80-072				C	52791	703443										
NEXT ASSY	USED ON			SCALE	1/1	UNIT WT	SHEET 1 OF 1										
APPLICATION																	

7546D Antenna

The **7546D** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally at the far end of the terminal on the bottom side as shown in the attached photo. The **7546D** uses two F-elements for spatial diversity. The **7546D** uses a MMCX connector. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	RG-178
<i>Symbol P/N</i>	10-40948-01

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”



Antenna Installed in Device



Terminal Use Photo

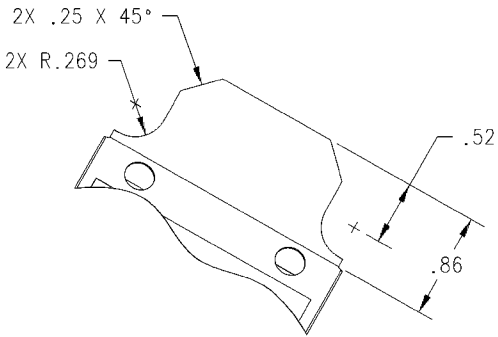
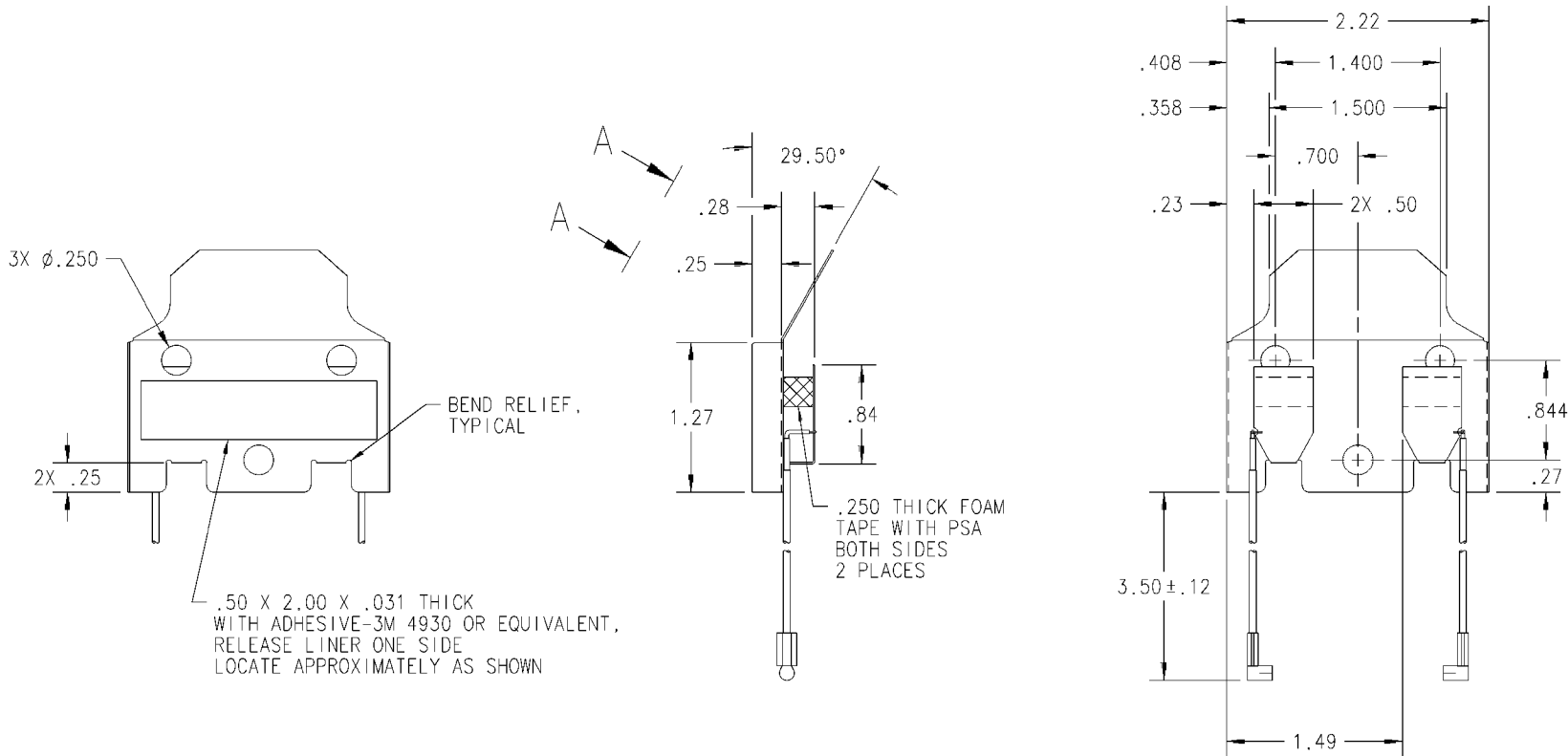
4

3

2

1

REVISIONS							
REV.	ZONE	△No.	DESCRIPTION	E.C.	BY	APVD.	DATE
1			INITIAL RELEASE PER PPD #54570		JS		2/15/00



AUX VIEW A-A
SCALE 1:1

SPECIFICATIONS:

FREQUENCY: 2.4-2.485 GHZ
VSWR: 2.0:1 MAX
GAIN: 0dBi NOMINAL
POLARIZATION: LINEAR
CABLE: RG178
CONNECTOR: TYPE MMCX, 50-22100-029

NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL: CRS 1008, .015±.001 THICK.
2. ALTERNATE MATERIAL: ELECTROLYTIC TIN PLATED STEEL .015±.001 THICK. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
2. FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1. ELECTRO DEPOSITED .00010-.00025 INCHES. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UN-AIDED EYE.
3. PACKAGE IAW STI GENERAL PACKAGING SPECIFICATION #50-04100-013.
4. BREAK AND DEBUR ALL SHARP EDGES .005 MAX PRIOR TO PLATING.
5. PART SHALL MEET THE CRITERIA PER STI WORKMANSHIP STANDARD #SS-03800-57.

PROPRIETARY CONTENT		TOLERANCE CHART	
THE DRAWING CONTENT AND SPECIFICATIONS CONTAINED HEREIN ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED OR OTHERWISE DEALT WITH OR COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES, INC. COMPUTER GENERATED DRAWING DO NOT SCALE		UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES	

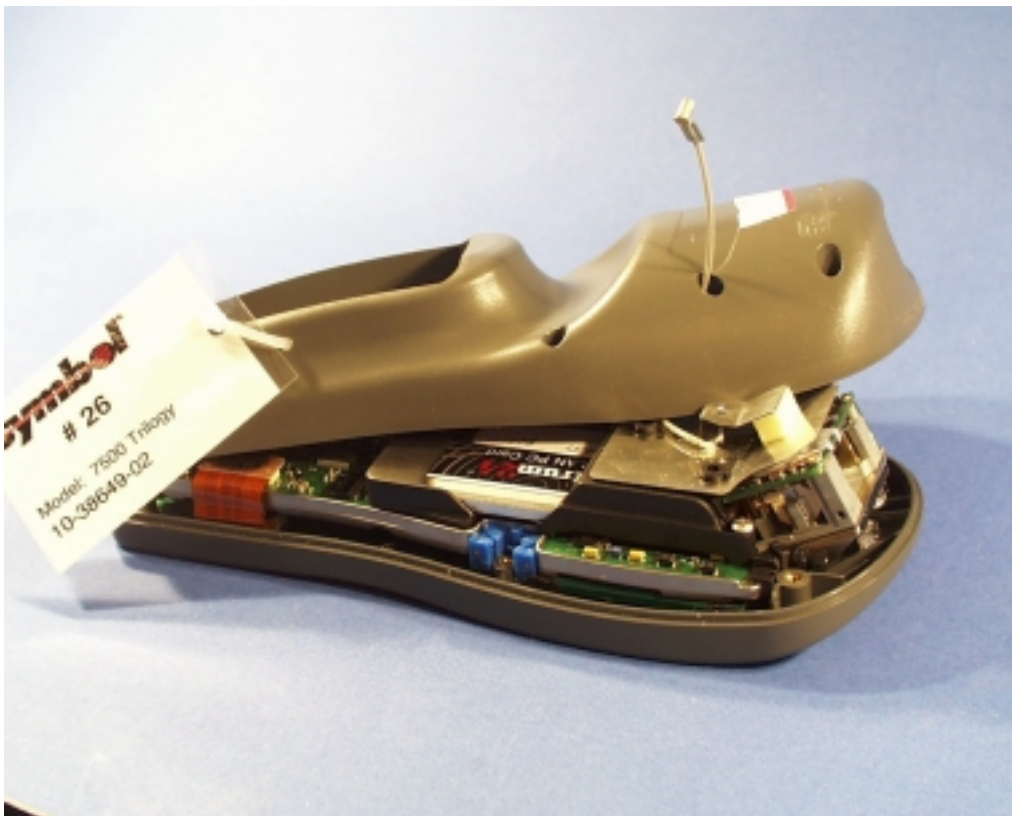
APPROVALS		DATE	SYMBOL TECHNOLOGIES, INC. One Symbol Plaza Holtsville, NY 11742	
DRAWN	J. SIMMONS	2/15/00		
CHECKED	M. SAVONA	2/15/00		
ENG.	B. ROSENGRANT	2/15/00		
ANALYST	L. DOBKOWSKI	2/15/00	ANTENNA: 2.4 GHZ, TYPE F, DIVERSITY	
MFG. ENG.				
PRODUCT				
QUALITY				
SIZE		DWG. NO.	REV	
C		10-40948-01	1	
SCALE: 1:1		SOLID MODEL	YES NO	SHEET 1 OF 1

7540 / 7546 Antenna

The **7540** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. The **7540** uses the MuRatta BFA connector while the **7546** is identical to the **7540** but uses the MMCX connector. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C. for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYP75, RG-178
<i>Symbol P/N</i>	10-38649-01, -02

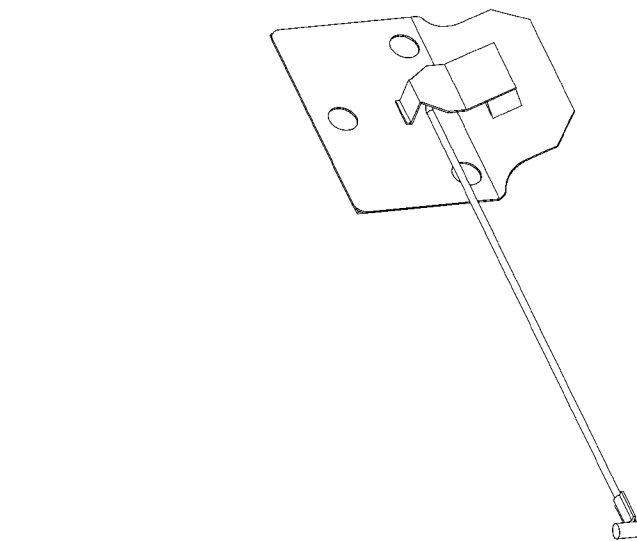
“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”



Antenna Installed in Device



Terminal Use Photo



SPECIFICATIONS

ITEM	QTY.	PART NO.	DESCRIPTION				REMARKS/REF. SYMBOL				
THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.		DIMENSIONS ARE IN INCHES		APPROVALS	DATE	SYMBOL TECHNOLOGIES INC. Bohemia, New York					
		UNLESS OTHERWISE SPECIFIED		DRAWN	C. THELEMAN	10/5/99	ANTENNA: 2.4 GHz TYPE F 7500				
		.XX	MM	INCH	CHECKED	M. SAVONA					10/5/99
		.XXX	MM	INCH	ENGINEER	C. THELEMAN					10/5/99
		ANGLES ± 1'		FRACTIONS ± 1/64		MFG. ENG	M. LOSPINUSO	10/5/99	SIZE C DWG. NO. 10-38649-01 REV. A		
		MATERIAL: -----		PRODUCT		T. HOFBAUER	10/5/99				
		FINISH: -----		QUALITY		B. WATSON	10/5/99				
		DO NOT SCALE DRAWING				SCALE: 1/1		SOLID MODEL	YES ☒ NO ☐	SHEET 1 of 1	

5. BREAK AND DEBUR ALL SHARP EDGES .005 MAX
PRIOR TO PLATING

THE DWG. & SPECIFICATION
CONTAINED HEREON ARE PRO-
PRIETARY AND MUST NOT BE
USED, COPIED, REPRODUCED
NOR ITS CONTENTS COMMUN-
ICATED TO OTHERS EXCEPT IN
ACCORDANCE WITH WRITTEN
INSTRUCTIONS RECEIVED FROM
SYMBOL TECHNOLOGIES INC.

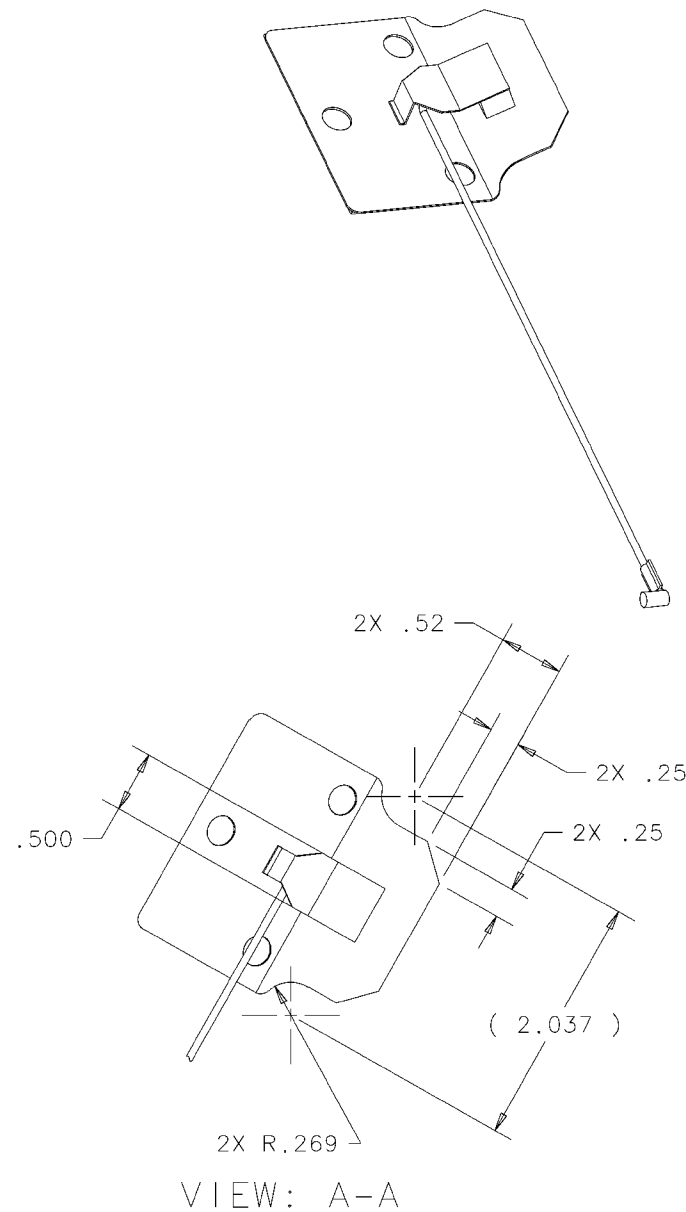
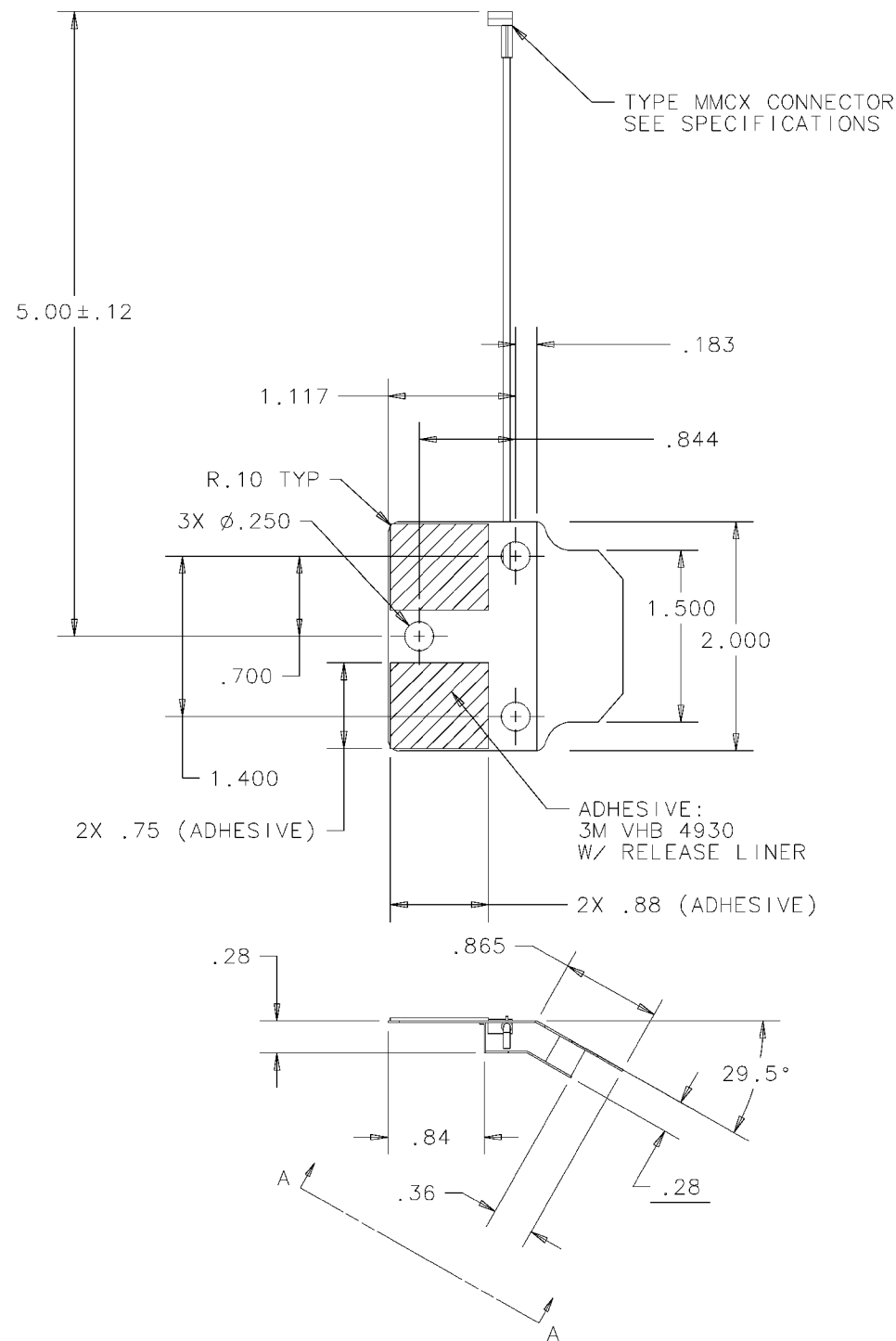
DIMENSIONS ARE IN INCHES		
UNLESS OTHERWISE SPECIFIED		
	MM	INCH
.XX	+/-	+/- .01
.XXX	+/-	+/- .005
ANGLES ± 1° FRACTIONS ± 1/64		
MATERIAL: _____		
FINISH: _____		

APPROVALS		DATE
DRAWN	C. THELEMANN	10/5/99
CHECKED	M. SAVONA	10/5/99
ENGINEER	C. THELEMANN	10/5/99
MFG. ENG.	M. LOSPINUSO	10/5/99
PRODUCT	T. HOFBAUER	10/5/99
QUALITY	B. WATSON	10/5/99

SYMBOL TECHNOLOGIES INC. Bohemia, New York			
ANTENNA: 2.4 GHz TYPE F 7500			
SIZE C	DWG. NO. 10-38649-01	REV. A	

99	SIZE C	DWG. NO. 10-38649-01	REV. A
9		YES NO	

REVISIONS						
REV.	ZONE	△	DESCRIPTION	E.C.	BY	APVD. DATE
A			RELEASED PER EDR #53455		MB	01/10/00



SPECIFICATIONS

FREQUENCY: 2.4-2.485 GHZ
VSWR: 2.0:1 MAX
GAIN: 0dBi NOMINAL
POLARIZATION: LINEAR
CABLE: RG178
CONNECTOR: TYPE MMCX, 50-22100-029

NOTES: UNLESS OTHERWISE SPECIFIED

- MATERIAL: CRS 1008, .015 ± .001THK
- FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE1, ELECTRO DEPOSITED .00010-.00025 INCHES. FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED EYE, EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
- TOLERANCES: .XX ± .03
.XXX ± .010
ANGLES ± 1°
- PACKAGE IAW SYMBOL PACKAGING SPECIFICATION 40-04100-013
- BREAK AND DEBUR ALL SHARP EDGES .005 MAX PRIOR TO PLATING

ITEM	QTY.	PART NO.	DESCRIPTION				REMARKS/REF. SYMBOL										
THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.		DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVALS		DATE	SYMBOL TECHNOLOGIES INC. Bohemia, New York										
				DRAWN	M. BUNYON	01/10/00											
		MM		INCH		CHECKED	M. SAVONA	01/10/00	ANTENNA: 2.4 GHz TYPE F								
		.XX	+/-	+/- .01	ENGINEER	C. THELEMAN	01/10/00										
		.XXX	+/-	+/- .005	MFG. ENG.												
		ANGLES ± 1° FRACTIONS ± 1/64		PRODUCT		SIZE		DWG. NO.	REV.								
		MATERIAL: _____		QUALITY		C		10-38649-02		A							
FINISH: _____		ANALYST		L. DOBKOWSKI		01/10/00		SCALE: 1 : 1		SOLID MODEL		YES		NO		SHEET 1 OF 1	

	PDT 754X	
NEXT ASSY	USED ON	DO NOT SCALE DRAWING

6840/ 6846 Antenna

The **6840** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. The **6840** uses a Murata Erie BFA connector while the **6846** uses the MMCX. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held Device
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	0 dBi
<i>Physical</i>	See attached dwg
<i>Cable</i>	MXYH75, RG-178
<i>Symbol P/N</i>	10-32290-01, -02

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”

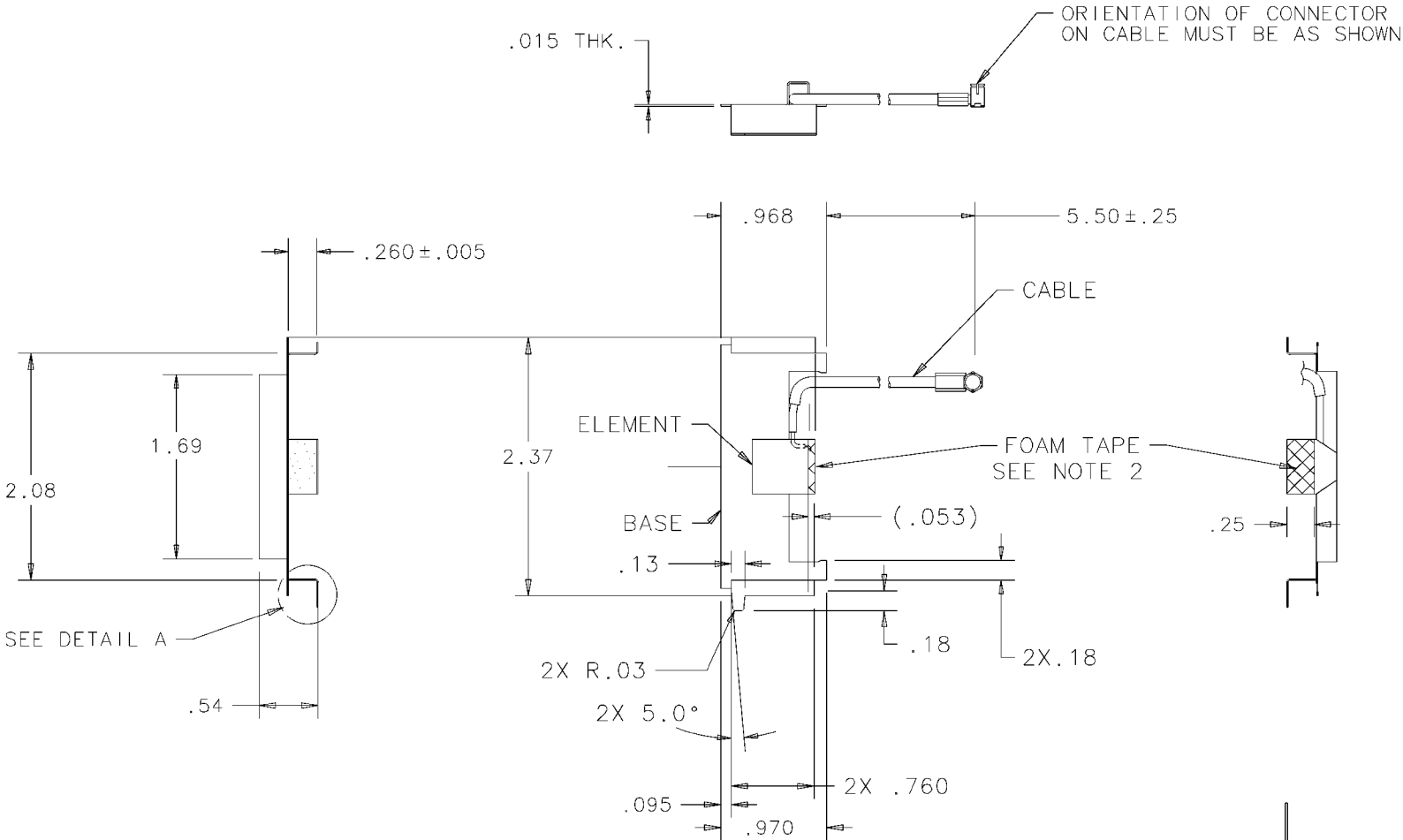


Antenna Installed in Device



Terminal Use Photo

REVISIONS							
REV.	ZONE	△	DESCRIPTION	E.C.	BY	APVD.	DATE
A	ALL	△	RELEASED PER EDR 39215	△	LM		
B	△	△	REVISED PER ECN	4418	RM		
C	△	△	DIM 2.37 WAS 2.30	E4874	LM		
D	△	△	ADDED DIM 2X.18 PER EC	E5856	MB		



SPECIFICATIONS

FREQUENCY: 2.4 TO 2.485 GHZ
VSWR: 2.0:1
GAIN: 0 dBi NOM
IMPEDANCE: 50 OHMS
CABLE/CONNECTOR: TECOM 817283-X
MURATA ERIE
MXYH62-XX-XXXX

- NOTE:
- PACKAGE ITEMS IN ACCORDANCE WITH STI GENERAL PACKAGING SPEC 50-04100-013.
 - ADHESIVE TO BE 3M DOUBLE-SIDED SCOTCH 4026 URETHANE FOAM TAPE(.062 THICK) WITH POLY COATED LINER OR EQUIVALENT.

DETAIL A
(2 PL)

ITEM	QTY.	PART NO.	DESCRIPTION	REMARKS/REF. SYMBOL
THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.				
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED		APPROVALS	DATE	SYMBOL TECHNOLOGIES INC. Bohemia, New York
		DRAWN LJM	12/23/97	
		CHECKED J CHAN		ANTENNA:2.4 GHZ
		ENGINEER J CHAN		
		MFG. ENG S SPITERI		SIZE C DWG. NO. 10-32290-01 REV. D
		PRODUCT M SAVONA		
		QUALITY		SCALE: FULL SOLID MODEL YES NO SHEET 1 OF 1
		FINISH: SEE NOTE		
		DO NOT SCALE DRAWING		

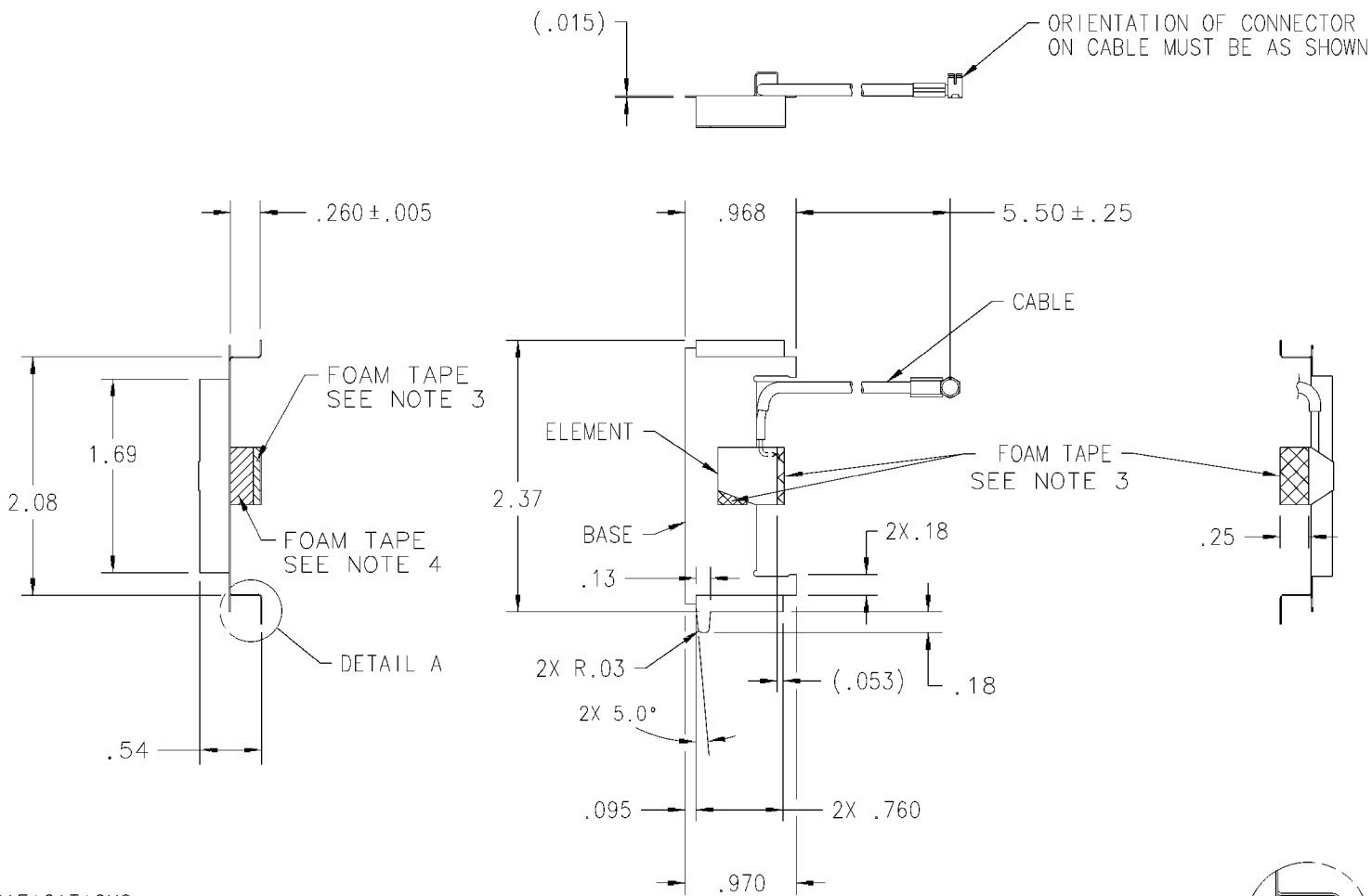
4

3

2

1

REVISIONS							
REV.	ZONE	DESCRIPTION	E.C.	BY	APVD.	DATE	
A		RELEASED PER EDR #53958		MB		01/27/00	

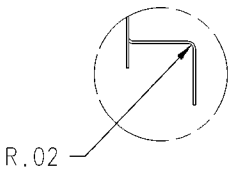


SPECIFICATIONS:

FREQUENCY: 2.4 TO 2.485 GHz
VSWR: 2.0:1
GAIN: 0 dBi NOM
IMPEDANCE: 50 OHMS
CABLE/CONNECTOR: RG178
50-22100-029 (MMCX)

NOTES: UNLESS OTHERWISE SPECIFIED.

- 1) MATERIAL: CRS 1008, .015 ± .001 THICK
- 2) FINISH: BRIGHT TIN PLATE PER MIL-T-10727A, TYPE 1
ELECTRO DEPOSITED .00010-.00025 INCHES.
FINISH SHALL BE UNIFORM AND EXHIBIT NO EVIDENCE OF
CORROSION OR OXIDATION WHEN VIEWED WITH THE UNAIDED
EYE. EDGE PLATING ON CUT OR SHEARED SURFACES IS NOT REQUIRED.
- 3) FOAM TAPE TO BE 3M DOUBLE-SIDED SCOTCH 4026
(.062 THICK) WITH POLY COATED LINER OR EQUIVALENT.
- 4) FOAM TAPE TO BE DOUBLE-SIDED SCOTCH 4008
(.125 THICK) WITH POLY COATED LINER OR EQUIVALENT.
- 5) PARTS SHALL MEET THE CRITERIA PER STI
WORKMANSHIP STANDARD SS-03800-57.
- 6) PACKAGE ITEMS IN ACCORDANCE WITH STI
GENERAL PACKAGING SPEC #50-04100-013.



APPROVALS		DATE	SYMBOL TECHNOLOGIES INC. One Symbol Plaza Holtsville, NY 11742	
DRAWN	J.SIMMONS	11/3/99		
CHECKED	M.SAVONA	11/3/99		
ENGINEER	B.ROSENGRANT	11/3/99		
ANALYST	L.DOBKOWSKI	11/3/99	ANTENNA: 2.4 GHZ, MMCX	
MFG. ENG.				
PRODUCT				
QUALITY				
SIZE			DWG. NO.	REV
C			10-32290-02	A
SCALE: 1:1			SOLID MODEL	YES NO
				X
			SHEET 1	OF 1

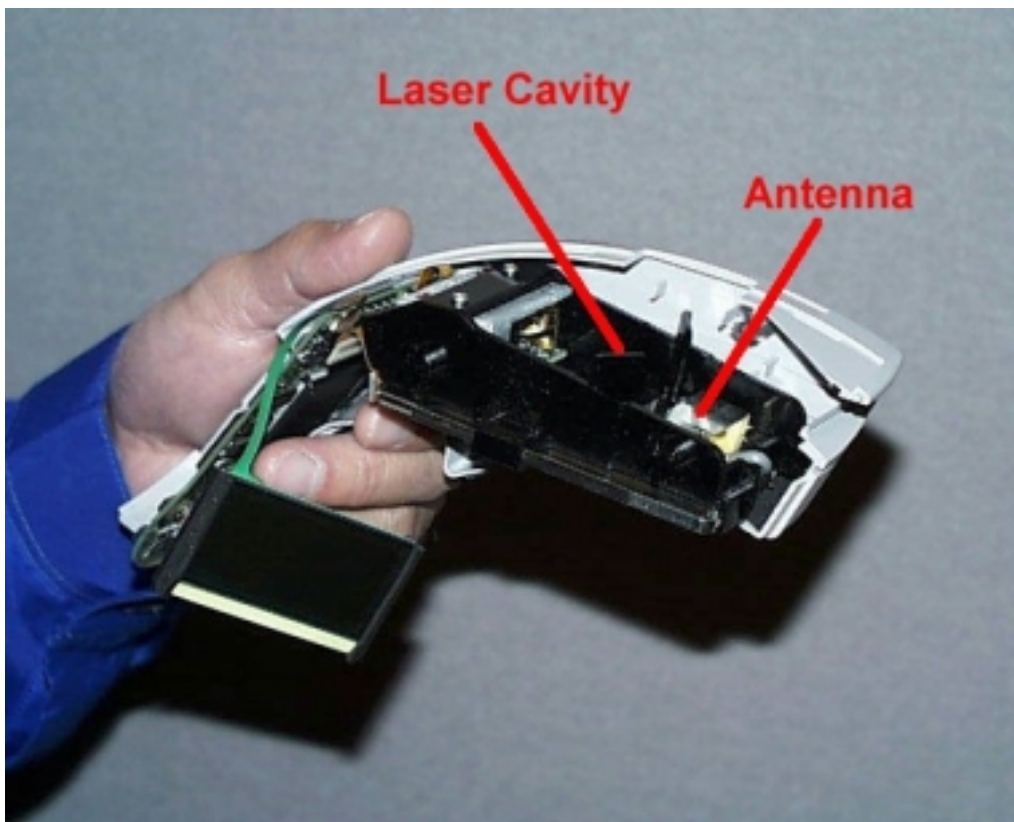
* PROPRIETARY CONTENT *			
THE DRAWING CONTENT AND SPECIFICATION			
CONTAINED HEREIN ARE PROPRIETARY AND			
MUST NOT BE USED, COPIED, REPRODUCED			
OR OTHERWISE DEALT WITH OR COMMUNICATED			
TO OTHERS EXCEPT IN ACCORDANCE WITH			
WRITTEN INSTRUCTIONS RECEIVED FROM:			
SYMBOL TECHNOLOGIES INC.			
COMPUTER GENERATED DRAWING			
DO NOT SCALE			
TOLERANCE CHART		* UNLESS OTHERWISE SPECIFIED *	
		DIMENSIONS ARE IN INCHES	
	INCH	MM	
.XX	+/- .01	+/- .25	
.XXX	+/- .005	+/- .125	
ANGLES ± 1°		FRACTIONS ± 1/64	

2040 / 2042 Antenna

The **2040** antenna is 0 dBi omni-directional in azimuth plane. It is mounted internally on the top end of the terminal as shown in the attached photo. In its use it would be within 20 cm of a persons hand but more than 20 cm from the users body. It is used in portable devices. The **2042** uses the MMCX connector instead of the MuRata BFA. The following RF exposure information is included in a prominent place in the device's user manual to inform the user of safety issues as required by OET Bulletin 65, Supplement C for EIRP greater than 200 mW.

<i>Location</i>	Hand Held
<i>Pattern</i>	Omni
<i>Type</i>	F-Element
<i>Max Gain</i>	< 0 dBi
<i>Physical</i>	See Attached Dwg.
<i>Cable</i>	MXYH75, RG-178
<i>Symbol P/N</i>	10-17577-01, -03

“Important Note: To comply with FCC RF exposure requirements, this hand-held device is approved for operation in a user’s hand when there is 20 cm or more between the antenna and everyone’s body.”

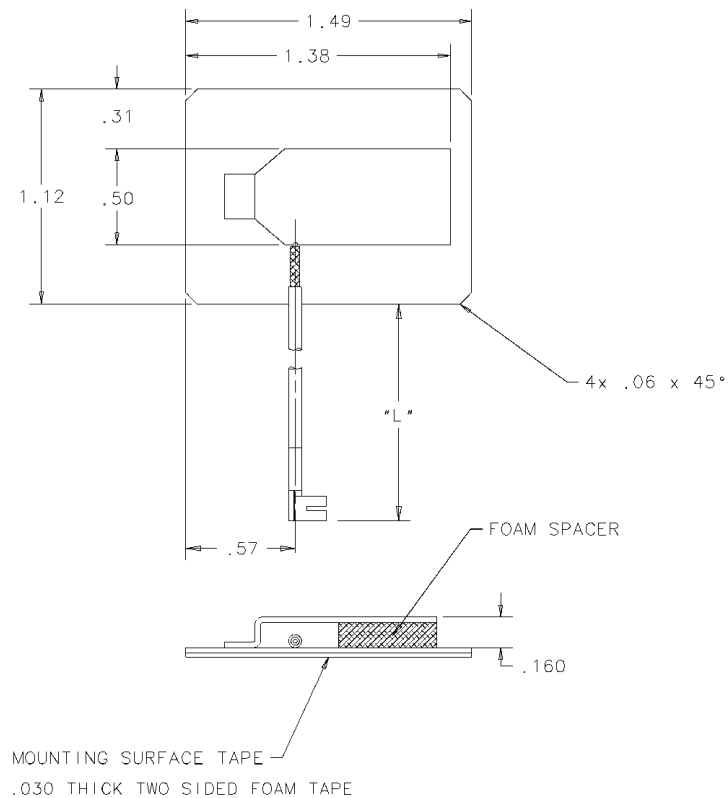


Antenna Installed in Device



Terminal Use Photo

REVISIONS						
REV.	ZONE	DESCRIPTION	E.C.	BY	APVD.	DATE
D		RELEASED PER EDR 36626		LM		



SPECIFICATIONS

FREQUENCY: 2400-2485 MHz
VSWR: 2:1
GAIN: 0dbi NOMINAL
CABLE/CONNECTOR: TECOM 817283-6
MXYH62XXXXXXX

DASH #	PRODUCT	*L*	REV
-01	ASTERIX	.80	D
-02	COBALT	2.00 ±.03	D

NOTES: UNLESS OTHERWISE SPECIFIED:

- PACKAGE ITEMS IN ACCORDANCE WITH STI GENERAL PACKAGING SPEC #50-04100-013.

ITEM	QTY.	PART NO.	DESCRIPTION	REMARKS/REF. SYMBOL					
THE DWG. & SPECIFICATION CONTAINED HEREON ARE PROPRIETARY AND MUST NOT BE USED, COPIED, REPRODUCED NOR ITS CONTENTS COMMUNICATED TO OTHERS EXCEPT IN ACCORDANCE WITH WRITTEN INSTRUCTIONS RECEIVED FROM SYMBOL TECHNOLOGIES INC.		DIMENSIONS ARE IN INCHES		APPROVALS	DATE	SYMBOL TECHNOLOGIES INC. Bohemia, New York			
		UNLESS OTHERWISE SPECIFIED		DRAWN LJM					
		MM INCH		CHECKED F GONG		ANTENNA TYPE F ASTERIX/COBALT			
		.XX +/-	+/- .01	ENGINEER F GONG					
		.XXX +/-	+/- .005	WFO, ENG F MAZURKIEWICZ					
		ANGLES ± 1° FRACTIONS ± 1/64		PRODUCT T HOFBAUER					
		MATERIAL: SEE NOTE		QUALITY	SIZE C	DWG. NO.	10-17577-XX	REV. D	
		FINISH: SEE NOTE			SCALE: FULL SOLID MODEL YES NO SHEET 1 OF 1				