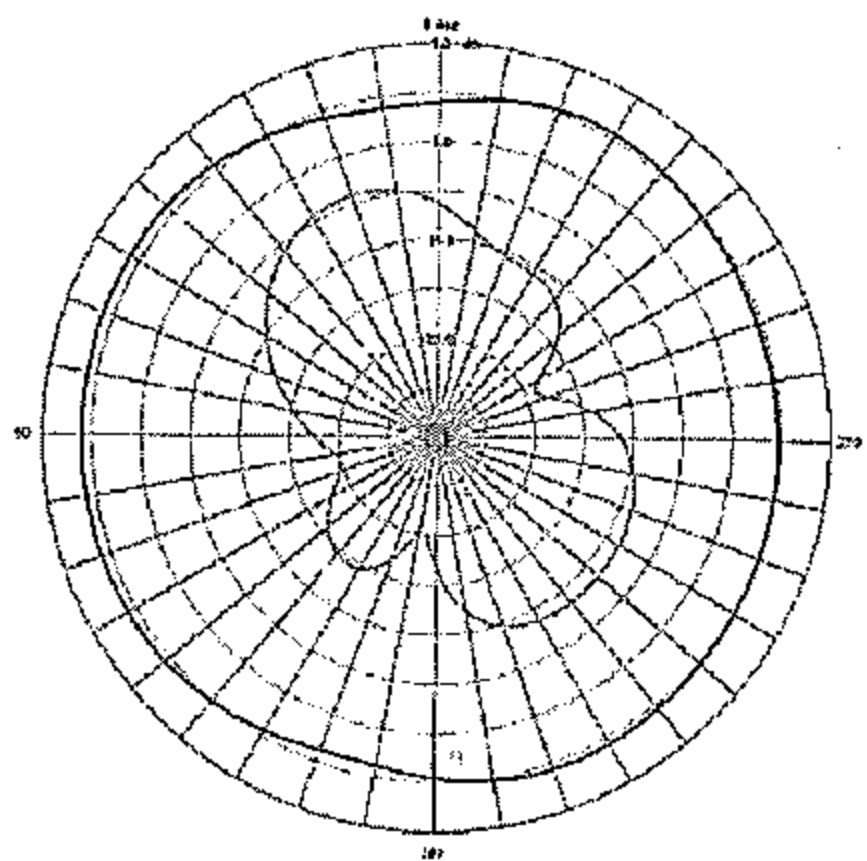
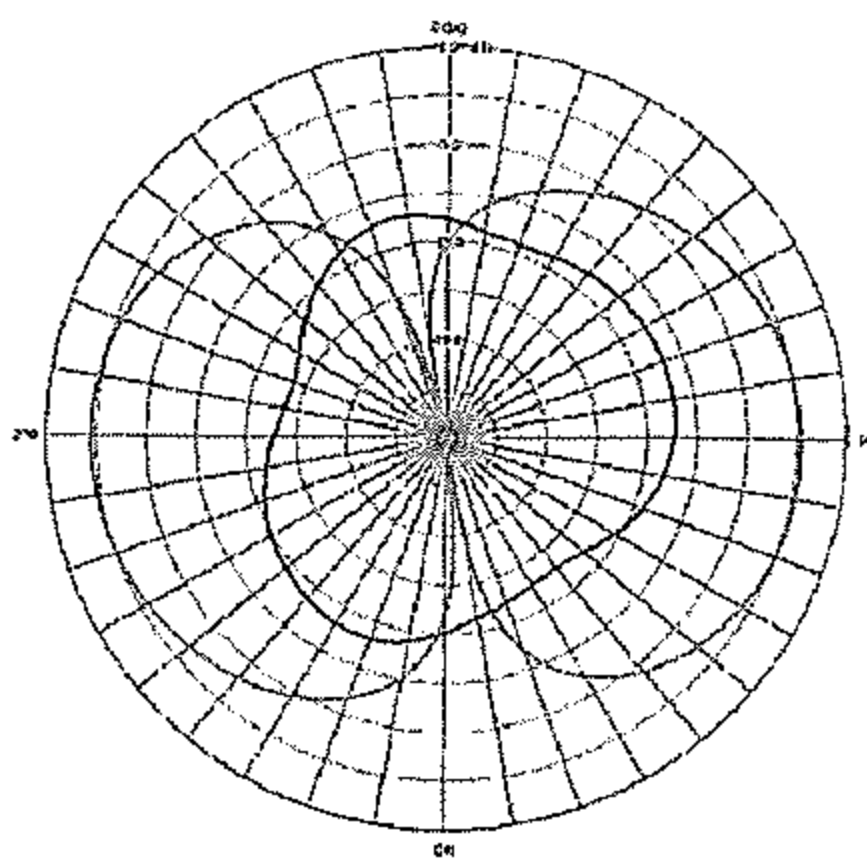
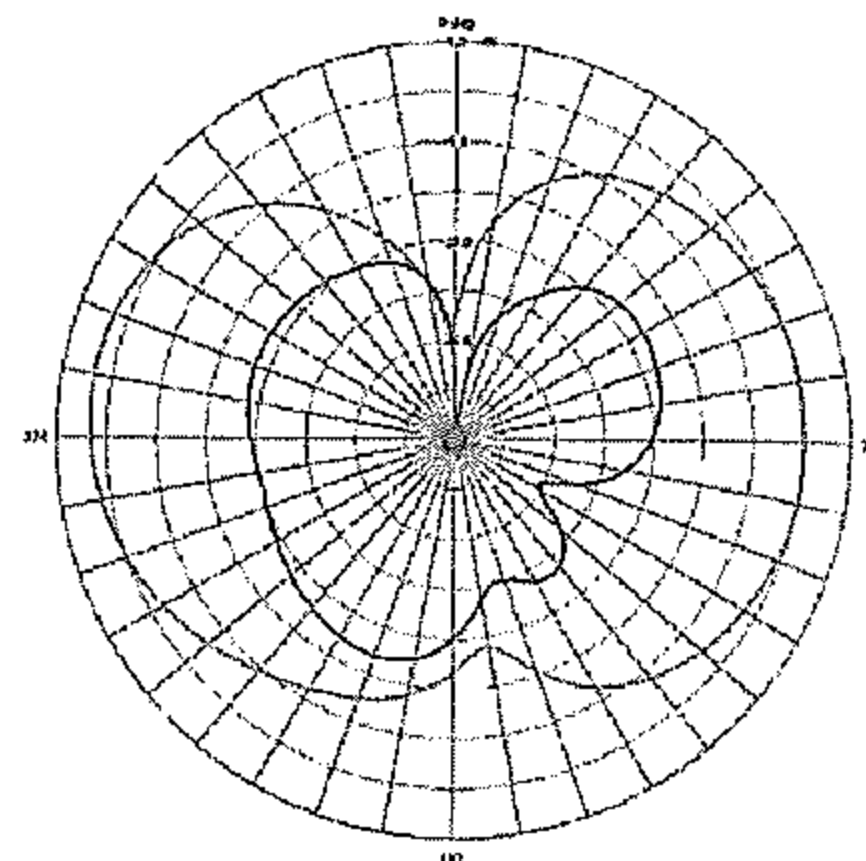




Azimuth Plane
2.45 GHz



Elevation Plane
Phi = 0
2.45 GHz



Elevation Plane
Phi = 90
2.45 GHz

Specifications subject to change
without notice.

NanoBlue a -
9/05/05



Model Name: ZA-A102

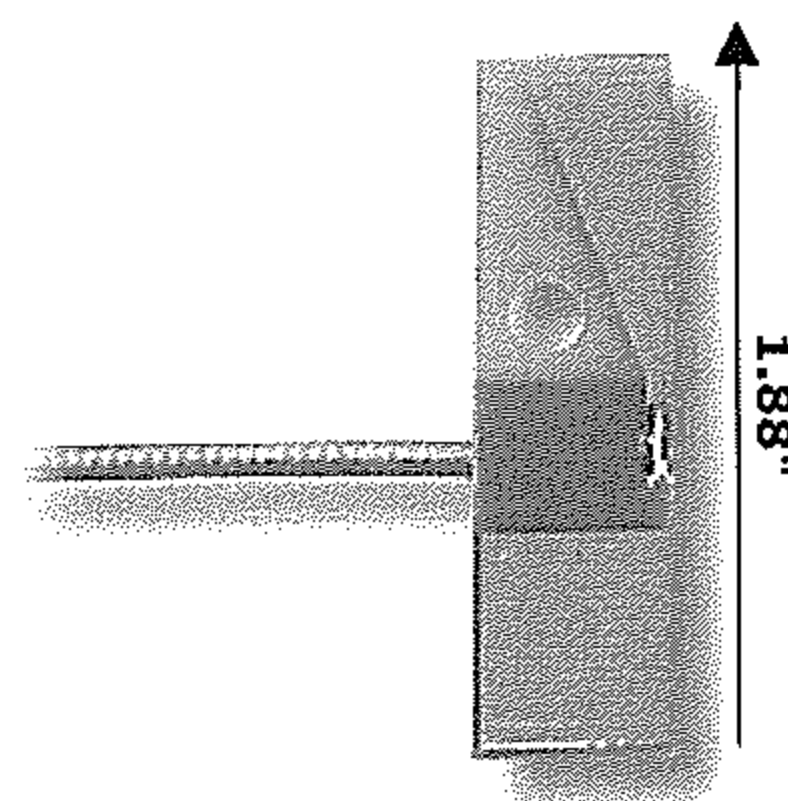
Specifications:

- f Versatile and easy to use antenna for 2.4 to 2.5 GHz Bluetooth and IEEE 802.11 devices
- f Designed for easy connection to radio cards
- f Utilizes Centurion's patented PCB Microsphere technology
- f Has a ground plane incorporated into the resonator structure, therefore no additional ground plane is required to radiate efficiently

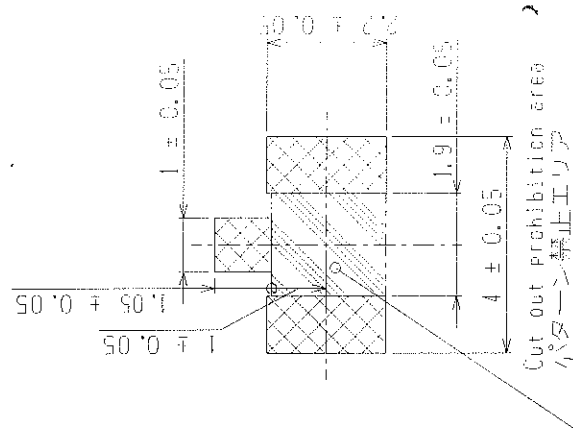
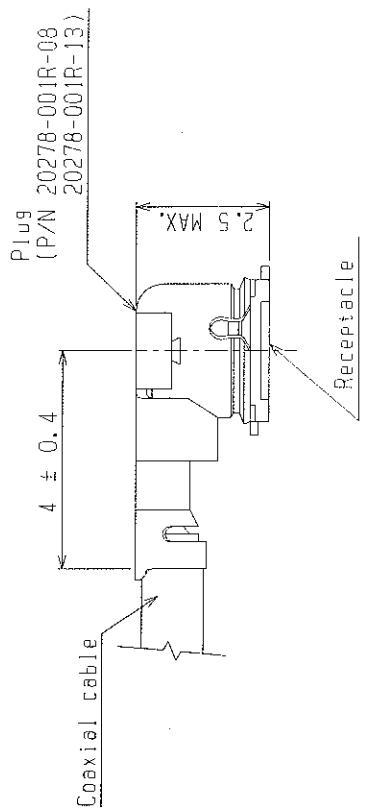
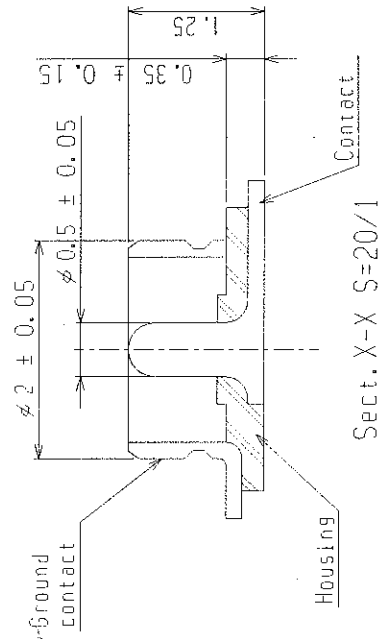
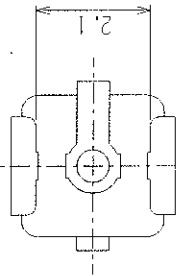
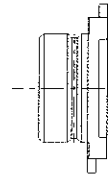
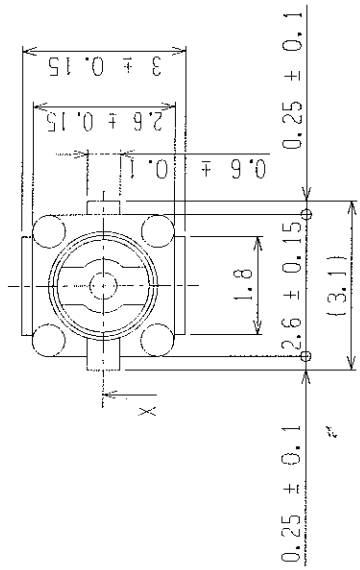
Frequency Range	2.4 – 2.5 GHz
Gain	2 dBi
Polarization	Linear
Impedance	50 ohms
VSWR	<2.5:1
Dimensions (L x W x H)	1.88" x .5"x .032"
Weight	2 g

Cable & Connector:

Model #	Part #	Cable	Connector
NanoBlue-IP04	MAF94045	100mm, Ø 1.13mm	IPEX MHF
NanoBlue	MAF94102	100mm, RG-178	Flying Lead



PART NO.
20279-001E-01



MATING

RECOMMENDED FOOTPRINT PATTERN

Notes

1. Material
(1) Housing : LCP, UL94V-0, white
(2) Contact : brass, gold plating
(3) Ground contact : phosphor bronze, gold plating
2. Coplanarity : 0.1mm MAX.
3. Packing : emboss tape
4. Mating partner part No. : 20278-001R-**

Notes

1. Material
(1) Housing : LCP, UL94V-0, white
(2) Contact : brass, gold plating
(3) Ground contact : phosphor bronze, gold plating
2. Coplanarity : 0.1mm MAX.
3. Packing : emboss tape
4. Mating partner part No. : 20278-001R-**

GENERAL TOLERANCE	
6 MAX.	±0.2
5 OVER MAX.	±0.3
30 OVER MAX.	±0.5
ANGLE	±2°

DESIGN'D BY	K. Ohbayashi	DATE	JUN/07/01	
CHK'D BY	E. Kawabe	DATE	JUN/07/01	
APP'D BY	K. Katayuchi	DATE	JUN/07/01	
REV	ECN	BY	DATE	APP
REV. RECORD				CUSTOMER COPY
SERIES No.				2814
SCALE				10/1 mm
UNIT				mm
DWG. No.				20279
TITLE				MHF series micro connector CONNECTOR RECEPTOR PART
Interconnect and Recepting Information				20279-001R-01