

REV.	REF.	DESCRIPTION	INPUT BY	DATE
A	2390	Release	S. HOUCK	02/18/02



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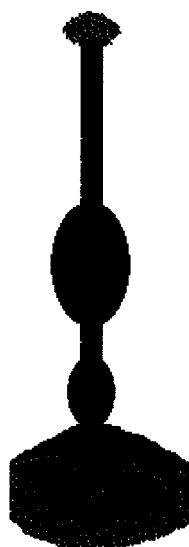
APPROVALS		ITRONIX CORPORATION S. 801 STEVENS AVE. P.O. BOX 0179 SPOKANE, WA 99210-0179
ORIGINATOR David McLean	DATE 11/02/01	PART DESCRIPTION: VEHICLE ANTENNA, MOBILE, 2.4GHZ, MAXC SERIES
ENGINEERING	DATE	
CHECKER	DATE	
MANUFACTURING JOHN HENNESSY	DATE 04-16-02	Drawing Number 46-0107-000
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- 1.0 **DESCRIPTION:**
Mobile Antenna, 2.4GHz, ISM.
- 2.0 **APPLICABLE DOCUMENTS AND REFERENCES:**
MANUFACTURER'S SPECIFICATION: MaxRad Website:
<http://www.maxrad.com/>
- 3.0 **MECHANICAL REQUIREMENTS:**
- 3.1 Height (For Reference Only): -001: 5.25"
-002: 7.5"
- 3.2 Radiator Material: Stainless steel with a bright finish (MAXC) or with black finish (BMAXC).
- 3.3 Antenna Base: Molded polymer with a plated brass insert and a spring-loaded, brass contact pin ((B)MAXC models)
- 3.4 Mounting (For Reference Only): Custom Mounts Itronix p/n 46-0103-XXX and 46-0104-XXX. Others available from Maxrad.
- 3.5 Rod Ferrule: 5/16" – 24 thread: bright or black chrome plated brass
- 3.6 Weight: -001: 0.12 lbs.
-002: 0.16 lbs.
- 4.0 **ELECTRICAL REQUIREMENTS:**
- 4.1 VSWR: <1.5:1
- 4.2 Nominal Impedance: 50Ω
- 4.3 Antenna Type: Collinear array
- 4.4 Operating Frequency Range: 2.4 to 2.4835 GHz
- 4.5 Factory Tuned Frequency: 2.45 GHz
- 4.6 Gain: -001: 3dBi
-002: 5dBi
- 4.7 Maximum Power: 100 W
- 5.0 **ENVIRONMENTAL REQUIREMENTS:**
- 5.1 Temperature: -40°C to +85°C
- 5.2 Humidity: 0% to 100% Relative Humidity
- 6.0 **SAFETY REQUIREMENTS:** N/A
- 7.0 **MARKING REQUIREMENTS:**
The bulk shipping container must bear the Manufacturer's name and part number.
- 8.0 **PACKAGING REQUIREMENTS:**
Packaging of components shall be such that no damage will occur to the component during shipment.
- 9.0 **ACCEPTABILITY REQUIREMENTS:**
These units must meet inspection requirements. The antenna bag should contain the BMAX molded polymer base, a plated spring-loaded contact pin, and a 0.100" diameter stainless steel whip antenna.

10.0 MANUFACTURER AND MANUFACTURER'S PART NUMBER:

See Section 9.0 for a list of parts included.

Part Number	Manufacturer	Manufacturer's Part Number
46-0107-001	MaxRad	MAXC24503 BMAXC24503
46-0107-002	MaxRad	MAXC24505 BMAXC24505



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Figure 1: 46-0107-001 Antenna Likeness (For Reference Only)



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Figure 2: 46-0107-002 Antenna Likeness (For Reference Only)