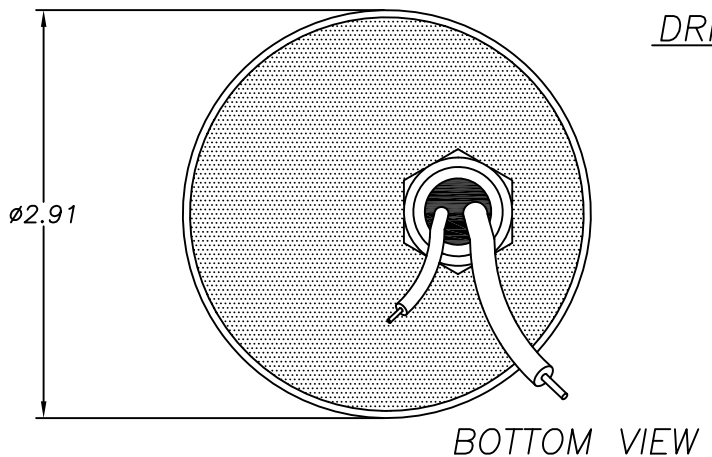
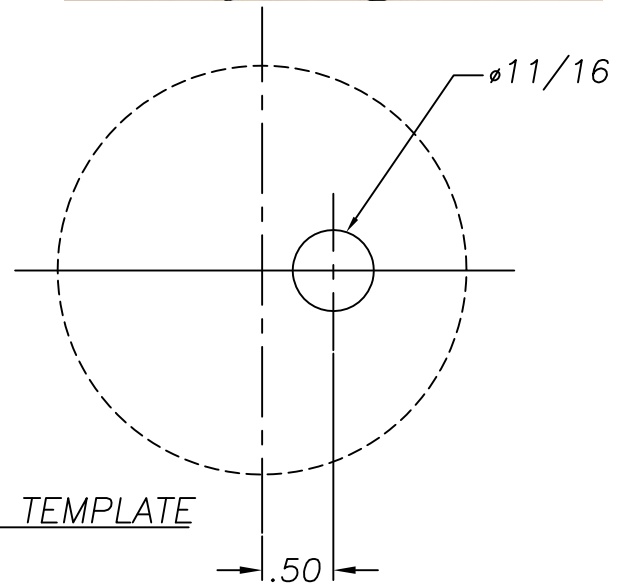
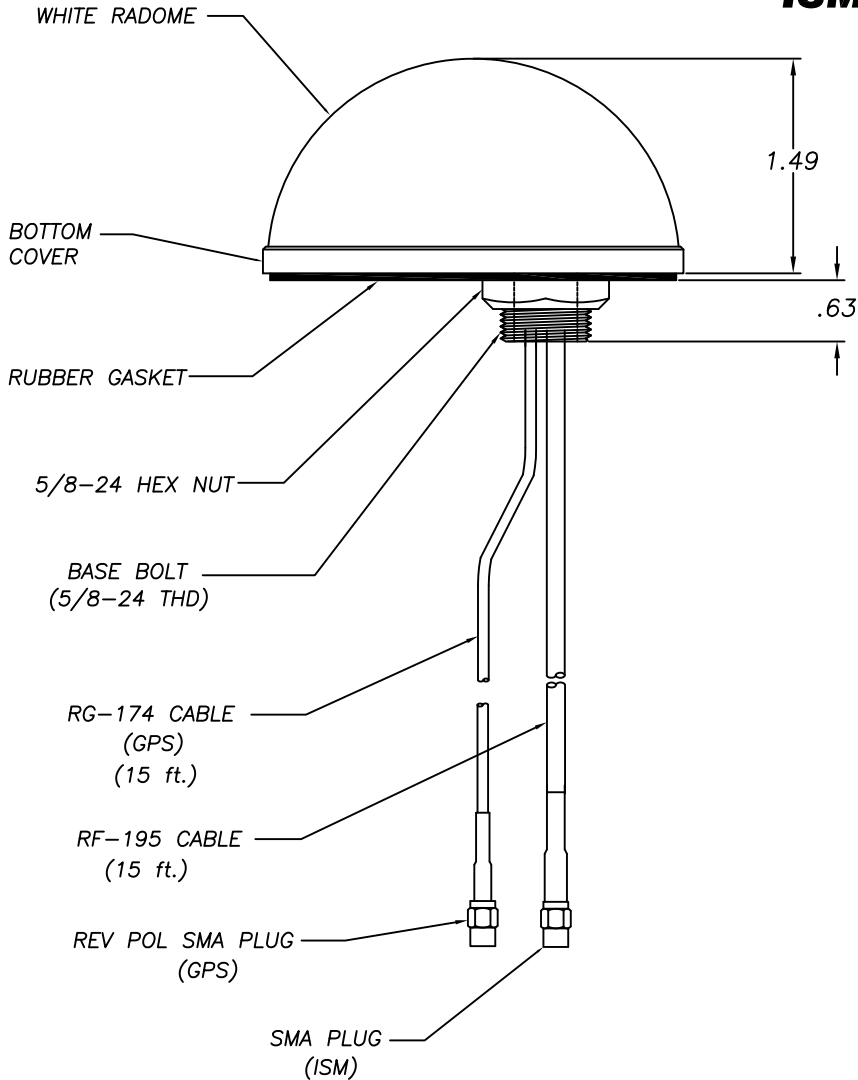


# DM2-2400/1575-3C2J-WHT-180

## Dual-band Low Profile "Dome" Antenna ISM with GPS



### Antenna Specifications:

|                    |                                                       |
|--------------------|-------------------------------------------------------|
| Frequencies:       | 2400 MHz Band (ISM)<br>1575 $\pm$ 2 MHz (GPS Band)    |
| PCS Gain:          | 2.5 dBi                                               |
| GPS Gain:          | 26 dB active Amplifier<br>5 dBi Antenna               |
| Radome Material:   | White ABS Plastic                                     |
| Nominal Impedance: | 50 OHM                                                |
| Maximum Power:     | 10 Watts                                              |
| Connector:         | SMA Plug (ISM)<br>("See Note") Rev Pol SMA Plug (GPS) |
| VSWR:              | 2:1 max over all bands                                |
| Mount:             | 5/8" threads for up<br>to 3/8" thick metal            |
| Cable:             | 15 ft. RF-195 (ISM)<br>15 ft. RG-174 (GPS)            |
| Temperature:       | -40C to +85C                                          |

**MobileMark**  
antenna solutions

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TEL: (847) 671-6690 \* FAX (847) 671-6715

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VISIT OUR WEBSITE AT [WWW.MOBILEMARK.COM](http://WWW.MOBILEMARK.COM)



| REVISION RECORD |       |                            |      |      |
|-----------------|-------|----------------------------|------|------|
| REV             | ECO   | DESCRIPTION                | DRFT | CHKD |
| A               | 4725  | RELEASED FOR PRODUCTION    | DGP  | CM   |
| B               | 18573 | Radome height & diameter   | DGP  | CM   |
| C               | 18580 | Add stud length spec       | DGP  | CM   |
| D               | 19185 | Add Alt Vendor Part Number | DGP  | CM   |

### Antenna Specifications:

Frequencies: — 2400 MHz Band (ISM)  
— 1575  $\pm$ 2 MHz (GPS Band)

PCS Gain: — 2.5 dBi

GPS Gain: — 26 dB active Amplifier  
— 5 dBi Antenna

Radome Material: — White ABS Plastic

Nominal Impedance: — 50 OHM

Maximum Power: — 10 Watts

Connector: — SMA Plug (ISM)  
("See Note") — Rev SMA Plug (GPS)

VSWR: — 2:1 max over all bands

Mount: — 3/4" threads for up  
to 3/8" thick metal

Cable: — 15 ft. RF-195 (ISM)  
— 15 ft. RG-174 (GPS)

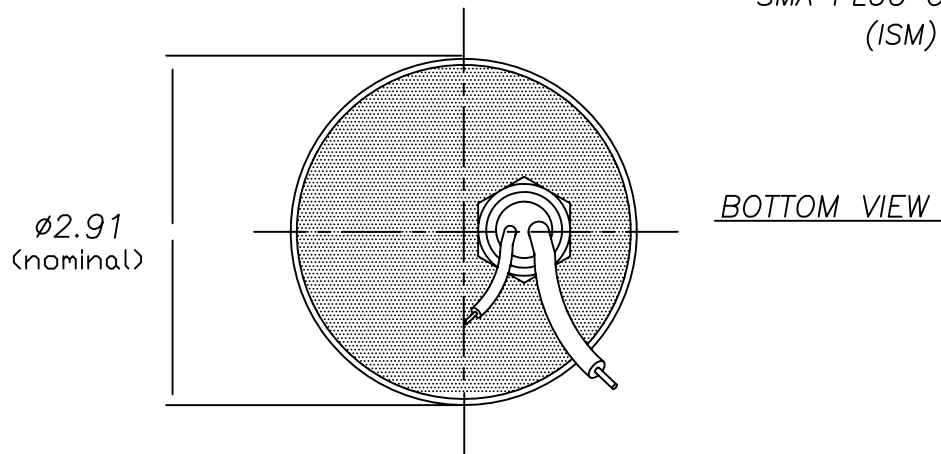
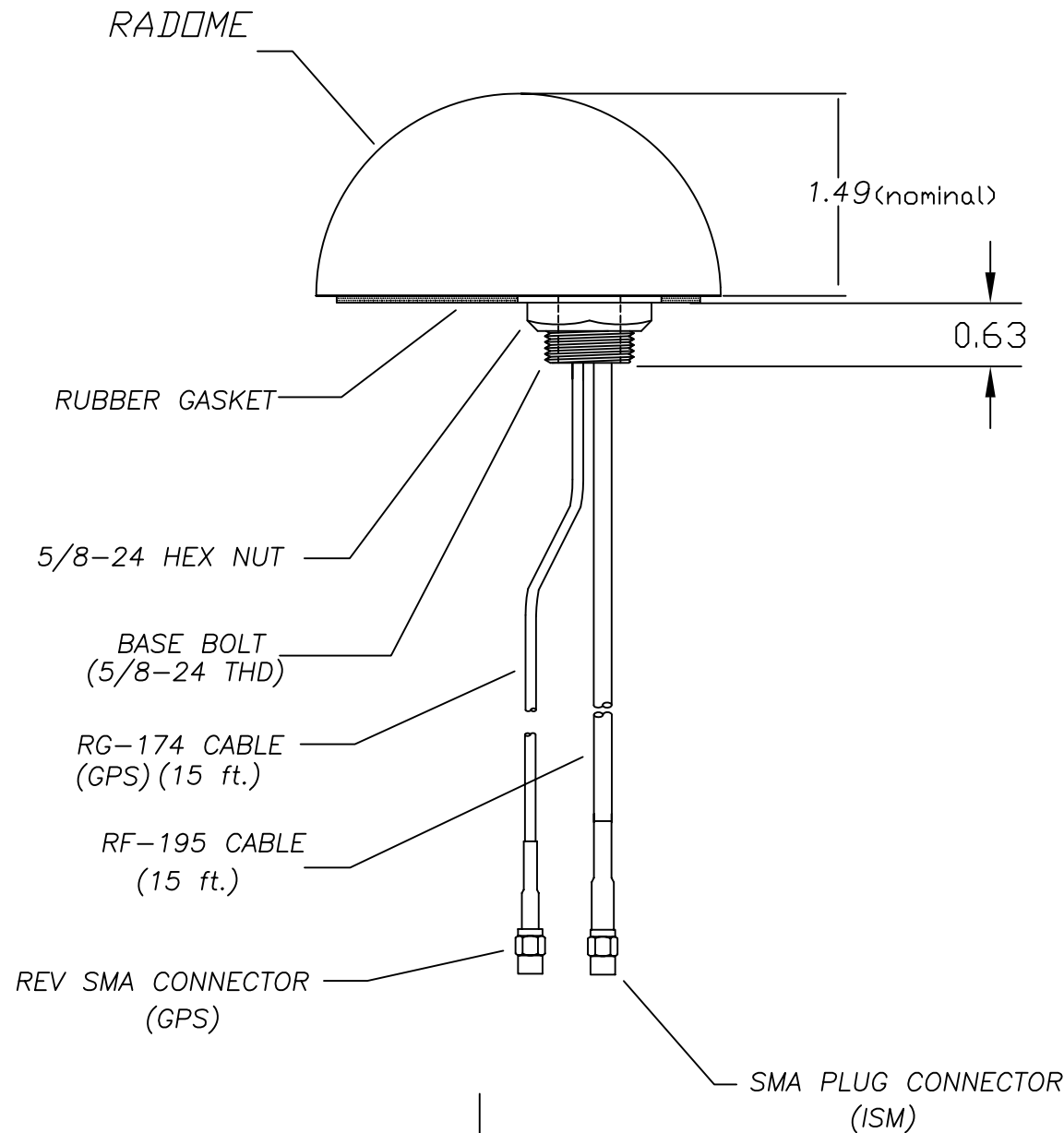
Temperature: — -40C to +85C

Electrical: Dual 3.3/5 volt; 20 mA max

Vendor Reference: Mobile Mark P/N

DM2-2400/1575 EDN216 or

DM2-2400/1575-3C2J-WHT-180



78-8125-0470-3

DESIGN REF

NEXT ASSY

|                |                                              |  |                                                                                                                                                                             |      |
|----------------|----------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|
| DETACHED LISTS | <div>MM(INCH)</div> <div>25.4MM=1 INCH</div> |  | DFTG                                                                                                                                                                        | DATE |
|                | TOLERANCES EXCEPT AS NOTED                   |  | CHKD                                                                                                                                                                        | DATE |
|                |                                              |  |                                                                                                                                                                             | DATE |
|                |                                              |  | MFG                                                                                                                                                                         | DATE |
|                |                                              |  | APPVL                                                                                                                                                                       | DATE |
|                |                                              |  | <div>INTERPRET PER ANSI Y14.5—1982</div> <div></div> <div>THIRD ANGLE PROJECTION</div> |      |
|                | ANGLES                                       |  |                                                                                                                                                                             |      |
|                | MATERIAL:                                    |  |                                                                                                                                                                             |      |
|                | FINISH:                                      |  |                                                                                                                                                                             |      |
|                |                                              |  |                                                                                                                                                                             |      |

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Global Traffic Technologies  
Oakdale, Minnesota  
55128

DIVISION

TCM

DIVISION CODE

060-B

MODEL

1012

21XX

TITLE

Antenna, RF & GPS

FSCM NO.

SIZE

B

DRAWING NO.

78-8118-6907-8

REV

D

DO NOT SCALE DRAWING

DET LISTS

☐ YES

☒ NO

SHT

1

OF 1