

# Installations

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## 5GHz 8dBi ATEX/IECEX Omni Directional Antenna

European ATEX Directive 94/9/EC Annex II, 1.0.6.)  
Certificate Number Sira **09ATEX3251X**  
& **IECEX SIR 10.0026X**

**Part Numbers:**  
TCATEX106 [5 metre lead]



### Electrical Specification

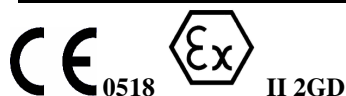
|                   |                               |
|-------------------|-------------------------------|
| Frequency         | 5.150-5.875 GHz (Bands A,B C) |
| Polarisation      | Vertical                      |
| Impedance         | 50 $\Omega$                   |
| VSWR              | <2:1                          |
| Return Loss       | better than -12 dB over BW    |
| Gain              | +8 dBi                        |
| Cable             | LMR195 (FR)                   |
| Connector         | Fitted with RP-SMA            |
| Radiating Element | brass tubing, PCB             |
| Radiating Pattern | Omni Directional              |

*A second connector is supplied to customer requirements.*

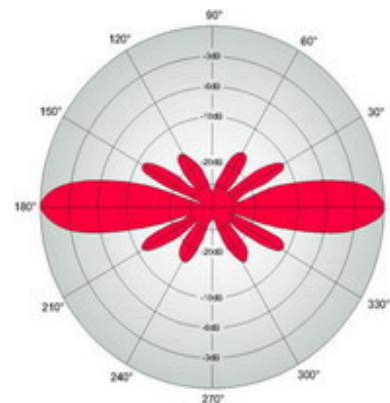
### Mechanical Specification

|  |           |
|--|-----------|
| Length   | 205 mm    |
| Diameter   | 38mm max. |
| Weight   | 365 gms   |
| Material   | PTFE      |
| Colour   | White     |
| 2002/95/EC (RoHS) compliant                          |           |
| Operating temperature range - 40°C to + 60°C         |           |
| Storage temperature range - 40°C to + 60°C           |           |
| The ATEX/IECEX certification marking are as follows: |           |
| Ex e IIC T6 Gb                                       |           |
| Ex t IIIC T85°C Db IP66                              |           |
| (Ta = -40°C to 60°C)                                 |           |

**And for ATEX certified equipment only:**



### E Plane Pattern



### H Plane Pattern

