

Mult Band ATEX/IECEX 2x2 MIMO Omni Directional Antennae Configuration

Part Number: TCATEX3nn

European ATEX Directive 94/9/EC Annex II, 1.0.6.)

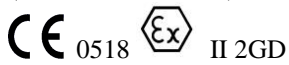
Certificate Numbers **Sira 14ATEX3084X** and

IECEX SIR14.0037X

Ex e IIC T6 Gb

Ex tb IIIC T85°C Db IP66

(Ta = -40°C to 60°C)



Note:

Differing Cable lengths can be supplied on request.



Technical Specifications

Electrical Properties

Frequency range

Band 1 1710~2000 MHz

Band 2 2000~2700 MHz

Band 3 2700~3800 MHz

Band 4 4900~5150 MHz

Band 5 5150~6000 MHz

Impedance 50 Ω

VSWR ≤ 2.0

Polarization Vertical

Beamwidth horizontal 360°

Gain

Band 1 1.5 dBi

Band 2 2.0 dBi

Band 3 1.5 dBi

Band 4 2.5 dBi

Band 5 2.0 dBi

Connectors Customers Specification

Cable RG58LSZH (FF)

LMR195/LMR400 LSZH (FR)

The threshold power of the antenna shall be limited to 2 (two) watts when the antenna gain is taken into account.

Mechanical & Environmental Properties

Dimensions 283 x 95mm

Weight 1.5kg approx.

Material PTFE. 2002/95/EC (RoHS) compliant

Fixing Bracket 316SS or Mild Steel Coated

Operating temperature range - 40°C to + 60°C

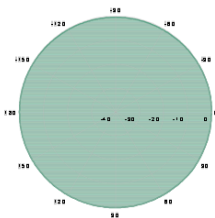
Storage temperature range - 40°C to + 60°C

Water Tightness IP66

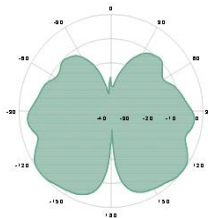
Glands M20 SS ATEX/IECEX Certified

M20 Brass ATEX/IECEX Certified

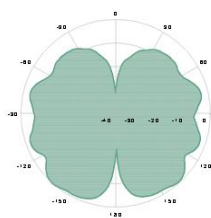
Horizontal
All Bands



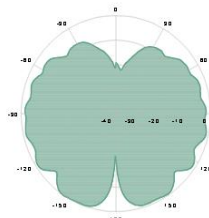
Vertical
Band1
1805MHz



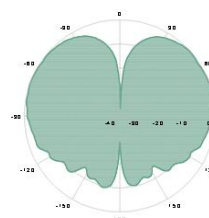
Vertical
Band 2
2400MHz



Vertical
Band 3
3300MHz



Vertical
Band 4
5000MHz



Vertical
Band 5
5600MHz

