

2400 MHz ATEX/IECEX MIMO Planar Antennae Configuration

Part Number: TCATEX3nn

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

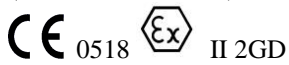
Certificate Numbers **Sira 14ATEX3084X** and

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 Dual Slant

Frequency range	2400 - 2485 MHz
Impedance	50 Ω
VSWR	≤ 1.5
Polarization Dual	Linear, Vertical ±45° slant
Gain	8 dBi
3 dB beamwidth horizontal	75°
3 dB beamwidth vertical	70°
Downtilt	0°
Front to back ratio	14 dB
Connectors	Customers Specification
Cable	RG58LSZH (FF) LMR195/LMR400 LSZH (FR)

Electrical Properties Vertical

Frequency range	2400 -2485 MHz
Impedance	50 Ω
VSWR	≤ 1.5
Polarization	Vertical
Gain	8.5 dBi
Beamwidth horizontal	75°
Beamwidth vertical	75°
Downtilt	0°
Front to back ratio	12dB
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	433 x 95mm
Weight	1.8kg 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

