



Part Number : [2068663000](#)
Product Description : 3-in-1 (4G/Wi-Fi/GPS) External Antenna, 77.00mm Diameter, 3.0m Cables with Fakra Connectors
Series Number : 206866
Status : Active
Product Category : Antennas



Documents & Resources

Drawings

[2068663000_sd.pdf](#)
[2068663000-PK.pdf](#)

3D Models and Design Files

[STEP AP242](#)
[SOLIDWORKS](#)
[Creo](#)

Specifications

[2068663000-AS.pdf](#)
[2068663000-PS.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Not Relevant
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Not Low-Halogen per IEC 61249-2-21
REACH SVHC	Contains Lead; Melamine; C,C'-azodi(formamide); 2-Methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one per D(2024)7663-DC (21 Jan 2025)

EU RoHS	Compliant with Exemption 6(c); 7(c)-I per EU 2015/863
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Compliance Statements

- EU RoHS
- REACH SVHC
- Low-Halogen

Industry Documents

- IPC 1752A Class C
- IPC 1752A Class D
- Molex Product Compliance Declaration
- IEC-62474
- chemSHERPA (xml)

Substances of Interest

- PFAS

EU RoHS Certificate of Compliance

Additional Product Compliance Information

Part Details

General

Status	Active
Category	Antennas
Series	206866
Description	3-in-1 (4G/Wi-Fi/GPS) External Antenna, 77.00mm Diameter, 3.0m Cables with Fakra Connectors
Comments	4G: VSWR 3 = Return loss < -6dB; GPS, WiFi: VSWR 2 = Return loss < -10dB
Component Type	External Antenna
Function	Signal
Product Name	3-in-1 External Antenna
Protocol	BT, Cellular, GPS, Wi-Fi
Type	External
UPC	191128851039

Electrical

Band#1 F_End (MHz)	960
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Band#1 F_Start (MHz)	824
Band#2 F_End (MHz)	1602
Band#2 F_Start (MHz)	1575.42
Band#3 F_End (MHz)	2690
Band#3 F_Start (MHz)	1710
Band#4 F_End (MHz)	2483.5
Band#4 F_Start (MHz)	2400
Electrical Connectivity	Cable
Frequency	1575 MHz, 2400 MHz, 824 MHz
Peak Gain (dBi)	-0.5 @ 824 MHz, -2.7 @ 2.4 GHz, 0 @ 1710 MHz, 3.0 @ 1575 MHz
Return Loss - S11 (dB)	< -6, < -10 (see comments)
Total Efficiency	21.6% @ 824 MHz, 23.3% @ 2.4 GHz, 26.2% @ 1575 MHz, 27.2% @ 1710 MHz

Physical

Cable Length	3.0m
Length	N/A
Mounting Style	Adhesive
Net Weight	180.442/g
Outer Diameter	77.00mm
Packaging Type	Partitioned Carton
Polarization	Linear, RHCP
Radiation Pattern	Directional (GPS), Omnidirectional (4G,WiFi)
Thickness	15.00mm
Width	N/A

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