



Part Number : [479480001](#)
Product Description : 2.4GHz SMT MID Chip
Antenna
Series Number : 47948
Status : Active
Product Category : Antennas



Documents and Resources

Drawings

[479480001_sd.pdf](#)

3D Models and Design Files

[STEP AP242](#)

[SOLIDWORKS](#)

[Creo](#)

[Symbol and Footprint \(Multi-Format\)](#)

Specifications

[AS-47948-001-001.pdf](#)

[PK-47948-001-001.pdf](#)

[PS-47948-001-001.pdf](#)

Product Environment Compliance

Compliance

GADSL/IMDS	Compliant with Exemption 33
China RoHS	 per SJ/T 11365-2006
EU ELV	Not Relevant
Low-Halogen Status	Low-Halogen per IEC 61249-2-21
REACH SVHC	Not Contained per D(2025)7771-DC (04 Feb 2026)
EU RoHS	Compliant per EU 2015/863

[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	47948
Description	2.4GHz SMT MID Chip Antenna
Component Type	Surface Mount Device Antenna
Function	Signal
Product Name	2.4GHz SMT MID Chip
Protocol	BLE, BT, Thread, Wi-Fi, Wireless Hart, Zigbee
Type	Internal, Wi-Fi Antenna
UPC	884982642621

Electrical

Band#1 F_End (MHz)	2483.5
Band#1 F_Start (MHz)	2400
Electrical Connectivity	SMD
Peak Gain (dBi)	3.7 @ 2.4 GHz
Return Loss - S11 (dB)	< -6
Total Efficiency	>70%

Physical

Cable Length	N/A
Length	3.00mm
Mounting Style	Surface Mount
Net Weight	0.042/g
Packaging Type	Embossed Tape on Reel
Polarization	Linear
Radiation Pattern	Omnidirectional
Thickness	4.00mm
Width	3.00mm

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RADIATION PATTERN

