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**Part Number:** 0479480001  
**Status:** Active  
**Overview:** Standard Antennas  
**Description:** 2.4GHz SMT On-ground MID Chip Antenna

**Documents:**  
[3D Model](#)  
[Drawing \(PDF\)](#)  
[Product Specification PS-47948-001 \(PDF\)](#)  
[Application Specification AS-47948-001 \(PDF\)](#)  
[Packaging Specification PK-47948-001 \(PDF\)](#)  
[RoHS Certificate of Compliance \(PDF\)](#)  
[Product Literature \(PDF\)](#)

**General**  
Product Family Antennas  
Series 47948  
Component Type Surface Mount Device Antenna  
Overview Standard Antennas  
Product Literature Order No 987650-5702  
Product Name 2.4 GHz SMT OnGround MID Chip  
Type Wi-Fi\* Antenna  
UPC 884982642621

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

**Electrical**  
Band#1 F\_End (MHz) 2483.5  
Band#1 F\_Start (MHz) 2400  
Electrical Connectivity SMD  
Impedance 50#  
Number of Bands 1  
Peak Gain (dBi) 3.0  
Return Loss - S11 (dB) < -10  
Total Efficiency >70%

**Material Info**

**Reference - Drawing Numbers**  
Application Specification AS-47948-001  
Packaging Specification PK-47948-001  
Product Specification PS-47948-001  
Sales Drawing SD-47948-001

\*Wi-Fi is a registered trademark of the Wi-Fi Alliance



Series image - Reference only

**EU ELV**  
**Not Relevant**

| <b>EU RoHS</b>                                                                                                                                                                      | <b>China RoHS</b> |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| <b>Compliant</b>                                                                                                                                                                    |                   |
| <b>REACH SVHC</b>                                                                                                                                                                   |                   |
| Not Contained Per - ED/21/2016 (20 June 2016)                                                                                                                                       |                   |
| <b>Halogen-Free</b>                                                                                                                                                                 |                   |
| <b>Status</b>                                                                                                                                                                       |                   |
| <b>Low-Halogen</b>                                                                                                                                                                  |                   |
| <b>Need more information on product environmental compliance?</b>                                                                                                                   |                   |
| Email <a href="mailto:productcompliance@molex.com">productcompliance@molex.com</a><br>Please visit the <a href="#">Contact Us</a> section for any non-product compliance questions. |                   |
| China ROHS                                                                                                                                                                          | Green Image       |
| ELV                                                                                                                                                                                 | Not Relevant      |

**Search Parts in this Series**  
47948 Series

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