



TE Internal #: RD2458-5-RSMA

Antenna, IoT / M2M / Wi-Fi, SMA-RP Male, External, Dipole / Stubby

[View on TE.com >](#)

Antennas > Dipole Antennas: Single, Dual & Tri-Band



Wireless Application: IoT, M2M, Wi-Fi

Antenna Connector Type: SMA-RP Male

Antenna Style: External

Antenna Type: Dipole, Stubby

[All Dipole Antennas: Single, Dual & Tri-Band \(17\)](#)

## Features

### Product Type Features

Antenna Connector Type	SMA-RP Male
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### Configuration Features

Number of Ports	1
Antenna Style	External
Antenna Type	Dipole, Stubby

### Signal Characteristics

Gain (Max)	5 dB
Frequency Band	2400 – 2500 MHz, 4900 – 5850 MHz

### Operation/Application

Coverage Type	Omnidirectional
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### Industry Standards

Wireless Application	IoT, M2M, Wi-Fi
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## Product Compliance

[For compliance documentation, visit the product page on TE.com>](#)

EU RoHS Directive 2011/65/EU	Compliant with Exemptions
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	Restricted Materials Above Threshold



EU REACH Regulation (EC) No. 1907/2006

Current ECHA Candidate List: JAN 2023 (233)

Candidate List Declared Against: JUNE 2022 (224)

SVHC > Threshold:

Pb (4% in Component Part)

**Article Safe Usage Statements:**

Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.

Halogen Content

Not Yet Reviewed for halogen content


Solder Process Capability

Not reviewed for solder process capability


**Product Compliance Disclaimer**

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # RD2458-5-SMA  
Dipol, RDuck, Fixed, SMAM 2400-5850MHz, 5dBi



TE Part # RD2458-5-OTDR-NM  
Dipol, RDuck, FIXED, NM 2400-5850MHz, 5dBi, O

## Customers Also Bought



TE Part #440054-8  
AMP HPI 2.0 mm Headers



TE Part #1-1623720-8  
CCR2 68R 10% BULK



TE Part #1-1554218-3  
MICRO STACK HDR ASSY 8OP H=16 WITH TAPE



TE Part #1-1734346-3  
STD USB TYPE B, R/A, SMT



TE Part #1-2007703-1  
IMP100S,R,RA3P10C,LG,39



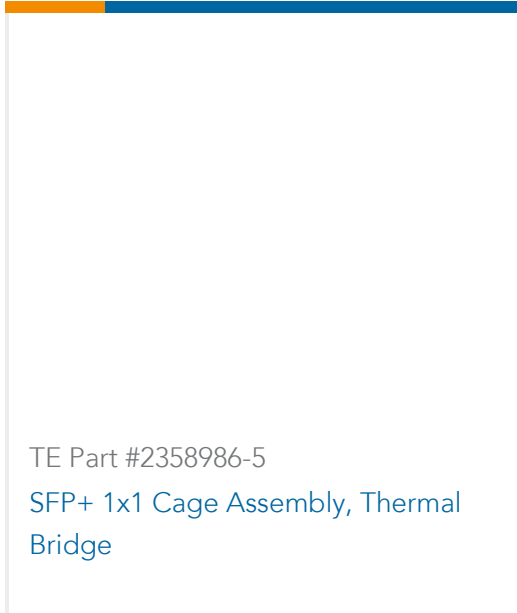
TE Part #2169797-4  
IMP,Power,3PR,R/A,Hdr,5.7,6.9Tin



TE Part #2359845-3  
CAGE ASSY W/ HS,SFP-DD 1X1,  
GENERAL



TE Part #2359292-1  
CAGE ASSEMBLY,SFP-DD 1X1,  
THERMAL BRIDGE



TE Part #2358986-5  
SFP+ 1x1 Cage Assembly, Thermal  
Bridge

## Documents

### Product Drawings

[Dipol,RDuck,Fixed,RSMAM 2400-5850MHz,5dB](#)

English

### Datasheets & Catalog Pages

[Tri-Band 2.4, 5.3, and 5.8 GHz Antenna](#)

English