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Part Number: [1461680001](#)
Status: **Active**
Overview: [Standard Antennas](#)
Description: RHCP Ceramic GPS Antenna

Documents:

[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)
[Product Specification 1461680001-PS \(PDF\)](#) [Product Literature \(PDF\)](#)
[Application Specification 1461680001-AS \(PDF\)](#)

General

| | |
|-----------------------------|-----------------------------------|
| Product Family | Antennas |
| Series | 146168 |
| Component Type | Surface Mount Device Antenna |
| Overview | Standard Antennas |
| Product Literature Order No | 987651-5071 |
| Product Name | RHCP Ceramic GPS Antenna |
| Protocol | GPS |
| Type | GPS Antenna |
| UPC | 191128000215 |

Physical

| | |
|-------------------|-----------------------|
| Cable Length | N/A |
| Length | 25.00mm |
| Mounting Style | Surface Mount |
| Net Weight | 9.319/g |
| Packaging Type | Tray |
| Polarization | Right Handed Circular |
| Radiation Pattern | Omnidirectional |
| Thickness | 4.00mm |
| Width | 25.00mm |

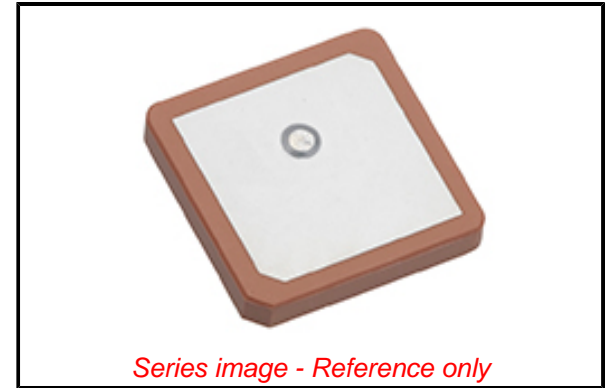
Electrical

| | |
|-------------------------|--------------|
| Band#1 F_End (MHz) | 1578 |
| Band#1 F_Start (MHz) | 1572 |
| Electrical Connectivity | SMD |
| Impedance | 50Ω |
| Number of Bands | 1 |
| Peak Gain (dBi) | 5.5 @ 1575M |
| Return Loss - S11 (dB) | < -15 |
| Total Efficiency | >75% @ 1575M |

Material Info

Reference - Drawing Numbers

| | |
|---------------------------|---------------|
| Application Specification | 1461680001-AS |
| Product Specification | 1461680001-PS |
| Sales Drawing | 1461680001-SD |



EU ELV

Not Relevant

EU RoHS

Compliant

REACH SVHC

Not Contained Per
-ED/01/2017 (12
January 2017)

Halogen-Free

Status

Low-Halogen

Need more information on product environmental compliance?

Email productcompliance@molex.com
Please visit the [Contact Us](#) section for any non-product compliance questions.

China ROHS

ELV

RoHS Phthalates

Green Image

Not Relevant

Not Contained

Search Parts in this Series

[146168](#) Series