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Part Number: 2042830001
Status: Active
Overview: Antennas
Description: Low-Profile GNSS Ceramic Antenna

Documents:
[Drawing \(PDF\)](#)
[Product Specification 2042830001-PS \(PDF\)](#)
[Application Specification 2042830001-AS \(PDF\)](#)
[Packaging Specification 2042830001-PK \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)

General
Product Family Antennas
Series 204283
Component Type Surface Mount Device Antenna
Overview Antennas
Product Literature Order No 987651-5071
Product Name Low-Profile GNSS Ceramic
Protocol BeiDou, Galileo, GLONASS, GPS
Type GNSS Antenna
UPC 191128324984

Physical
Cable Length N/A
Length 3.20mm
Mounting Style Surface Mount
Net Weight 0.022/g
Packaging Type Embossed Tape on Reel
Polarization Linear
Radiation Pattern Omnidirectional
Thickness 1.10mm
Width 1.60mm

Electrical
Band#1 F_End (MHz) 1566
Band#1 F_Start (MHz) 1556
Band#2 F_End (MHz) 1580
Band#2 F_Start (MHz) 1570
Band#3 F_End (MHz) 1607
Band#3 F_Start (MHz) 1597
Electrical Connectivity SMD
Impedance 50Ω
Number of Bands 3
Peak Gain (dBi) 1.5 @ 1561M, 1.6 @ 1602M, 2.0 @ 1575M
Return Loss - S11 (dB) < -10, < -8
Total Efficiency >60% @ 1561M, >60% @ 1602M, >65% @ 1575M

Material Info

Reference - Drawing Numbers
Application Specification 2042830001-AS
Packaging Specification 2042830001-PK
Product Specification 2042830001-PS
Sales Drawing 2042830001-SD



EU ELV
Not Relevant

EU RoHS
Compliant
REACH SVHC
Contained Per -
ED/01/2018 (15
January 2018)
2,4-Di-tert-butyl-6-(5-
chlorobenzotriazol-2-
yl)p
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	Green Image
ELV	Not Relevant
RoHS Phthalates	Not Contained

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204283 Series