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Part Number: [2030070001](#)
Status: **Active**
Overview: [Antennas](#)
Description: GNSS/Wi-Fi Combo Ceramic Antenna

Documents:
[3D Model](#)
[Drawing \(PDF\)](#)
[Product Specification 2030070001-PS \(PDF\)](#)
[Application Specification 2030070001-AS \(PDF\)](#)
[Packaging Specification 2030070001-PK \(PDF\)](#)
[RoHS Certificate of Compliance \(PDF\)](#)
[Product Literature \(PDF\)](#)

General
Product Family Antennas
Series [203007](#)
Component Type Surface Mount Device Antenna
Overview [Antennas](#)
Product Literature Order No 987651-3851
Product Name GNSS/Wi-Fi Combo Ceramic
Protocol BeiDou, BLE, BT, Galileo, GLONASS, GPS, Thread, Wi-Fi, Wireless Hart, Zigbee
Type Combo Wi-Fi/GNSS Antenna
UPC 191128401975

Physical
Cable Length N/A
Length 3.20mm
Mounting Style Surface Mount
Net Weight 0.029/g
Packaging Type Embossed Tape on Reel
Polarization Linear
Radiation Pattern Omnidirectional
Thickness 1.10mm
Width 1.60mm

Electrical
Band#1 F_End (MHz) 1602
Band#1 F_Start (MHz) 1561
Band#2 F_End (MHz) 2483.5
Band#2 F_Start (MHz) 2400
Band#3 F_End (MHz) 5850
Band#3 F_Start (MHz) 5150
Electrical Connectivity SMD
Impedance 50Ω
Number of Bands 5 (PS: GNSS 3 + Wi-Fi 2)
Peak Gain (dBi) -0.3 @ 1602M, 0.6 @ 2.4G, 0.9 @ 1561M, 1.0 @ 1575M, 1.0 @ 5G
Return Loss - S11 (dB) < -10, < -5.5, < -6
Total Efficiency >50% @ 1602M, >50% @ 5G, >55% @ 1561M, >55% @ 1575M, >55% @ 2.4G

Material Info

Reference - Drawing Numbers
Application Specification 2030070001-AS
Packaging Specification 2030070001-PK
Product Specification 2030070001-PS
Sales Drawing 2030070001-SD



Series image - Reference only

EU ELV
Not Relevant

EU RoHS Compliant REACH SVHC Not Contained Per - ED/30/2017 (7 July 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 China ROHS ELV RoHS Phthalates
	Green Image Not Relevant Not Contained

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[203007](#) Series

This document was generated on 01/10/2018

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