

SMG540-7C2C-B-24

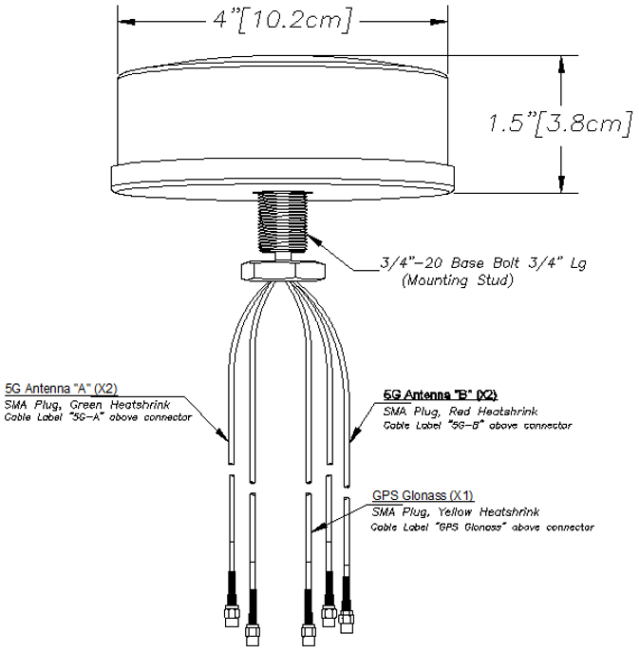
Low-Profile IoT 5G Dual-Carrier Multi-Band 4X4 MIMO Antenna 4x 617-7200 MHz (5G SUB-6) with GPS/GNSS (Ground Plane Independent)

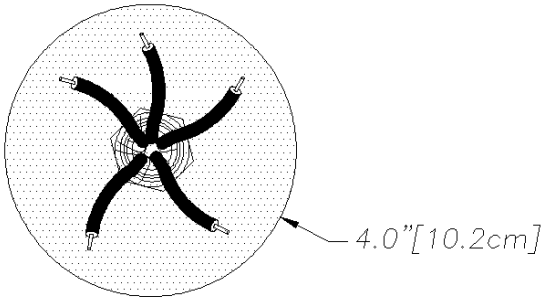
5G NR Bands Covered:

n1 n2 n3 4 n5 6 n7 n8 n12 n13 n14 n18 n20 n24 n25 n26 n28 n29 n30 n34 n38 n39 n40 n41 n46 n47 n48 n50 n53 n54 n65 n66 n67 n70 n71 n74 n75 n76 n77 n78 n79 n80 n81 n82 n83 n84 n85 n86 n89 n90 n91 n92 n93 n94 n95 n96 n97 n98 n99 n100 n101 n102 n104 n105 n106 n109

LTE Bands Covered:

1 2 3 4 5 6 7 8 9 10 11 12 13 14 17 18 19 20 21 22 23 25 26 27 28 29 30 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 65 66 67 68 69 70 71 74 75 76 77 78 79 80 81 82 83 84 85 86 89 90 95 96 98 100 101 102 103 104 105 106 107 252 255





ANTENNA SPECIFICATIONS

ELECTRICAL

Frequency/Gain:	617-960 MHz / 2 dBi Peak
(Cellular)	960-1710 MHz / 2.5 dBi Peak
	1710-7200 MHz / 3 dBi Peak
Impedance:	50 Ohms Nominal
Polarization:	Vertical
V.S.W.R.:	Cellular: 2.5:1 Maximum
Power:	10 Watts Maximum
GPS/GNSS:	GPS L1, Galileo E1, GLONASS L1, BeiDou B1, and QZSS L1C
Frequency:	1561 MHz, 1575 MHz, 1602 MHz
Gain:	LNA 26 dB ±3 dB / Antenna Element 4 dBiC
Polarization:	R.H.C.P.
Noise Figure:	1.7dB typical, 2.0 dB maximum
Bias:	+3 to +5 VDC / 10mA typical, 20 mA maximum

MECHANICAL

Case Dimensions:	Diameter 4.0in(10.2cm), Height 1.5in(3.8cm)
Radome Material:	UV Stable ASA
Radome Color:	Black or White
Cables:	Cellular: LMR100, 24in(60.9cm)
	GNSS: RG-174, 24in(60.9cm)
Connectors:	SMA Plugs (M)
Weight:	0.50lb (227g)
Mounting:	3/4in(1.9cm) Hole, Panel Thickness 3/8in(1cm) Ground Plane Independent

ENVIROMENTAL

Operating Temp.:	-40° to +80° C
Water Ingress:	(TBD)
Shock and Vibration:	(TBD)

Note: Antenna Characteristics measure with 12in cable with a 24in ground plane.

RoHS Compliant

© 2022 Mobile Mark, Inc.