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SMG641-7C7J00-B-18

Low-Profile IoT 5G Dual-Carrier Multi-Band MIMO Antenna
4x 617-7200 MHz (5G SUB-6)
1x 2.4-2.5/4.9-7.2 GHz with NO 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
(Wi-Fi 6E)	2.4-2.5 GHz/4.9-7.2 GHz, 5 dBi Peak
Impedance:	50 Ohms Nominal
Polarization:	Cell & Wi-Fi: Vertical
V.S.W.R.:	Cellular: 2.5:1 Max, Wi-Fi: 2.0:1 Max
Power:	10 Watts Maximum

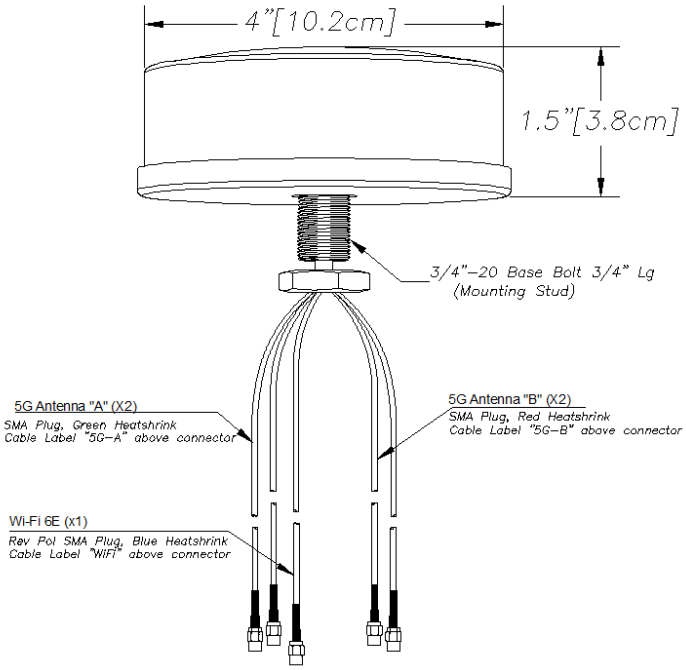
MECHANICAL

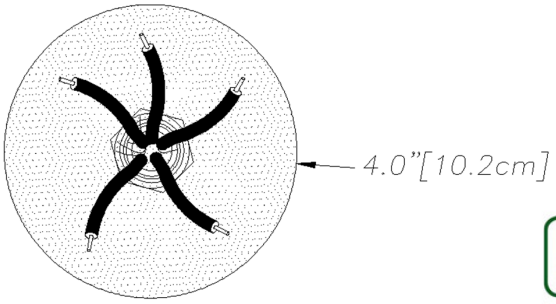
Case Dimensions:	Diameter 4.0in(10.2cm), Height 1.5in(3.8cm)
Radome Material:	UV Stable ASA
Radome Color:	Black or White
Cables:	Cellular & Wi-Fi: LMR100, 18in(45.7cm)
Connectors:	SMA Plugs (M) & Rev Pol SMA Plug (Wi-Fi)
Weight:	0.52lb (237g)
Mounting:	3/4in(1.9cm) Hole, Panel Thickness 3/8in(1cm)
	Ground Plane Independent

ENVIROMENTAL

Operating Temp.:	-40° to +80° C
Dust & Water Ingress:	IP67
Shock and Vibration:	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C

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





RoHS Compliant

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