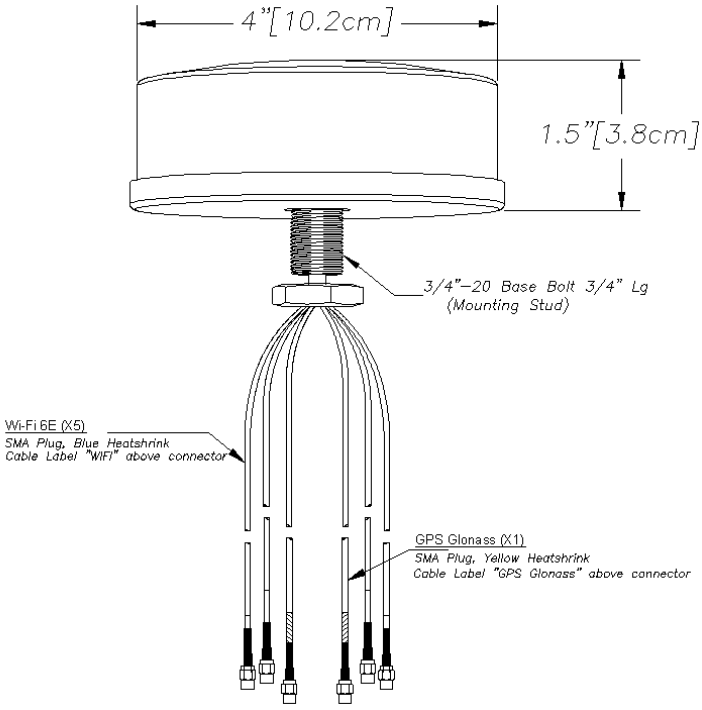
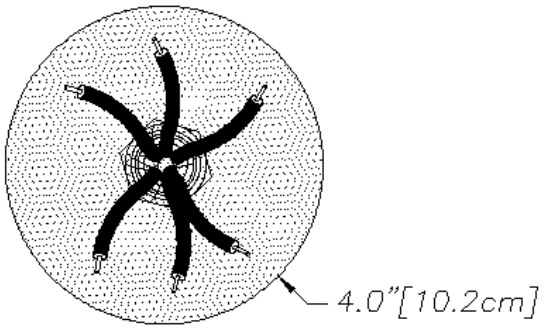
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SMG505-7C2C-B-12

Low Profile Wi-Fi 6E MIMO Antenna 5x 2.4-2.5/4.9-7.2 GHz With GNSS (Ground Plane Independent)





SPECIFICATIONS

ELECTRICAL

Frequency/Gain:	2.4-2.5 GHz/4.9-7.2 GHz, 5 dBi Peak
Impedance:	50 Ohms Nominal
Polarization:	Vertical
V.S.W.R.:	2:1 max
Power:	10 Watts max

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:	Wi-Fi 6E: LMR100, 12in(30.5cm) GNSS: RG-174, 12in(30.5cm)
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

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