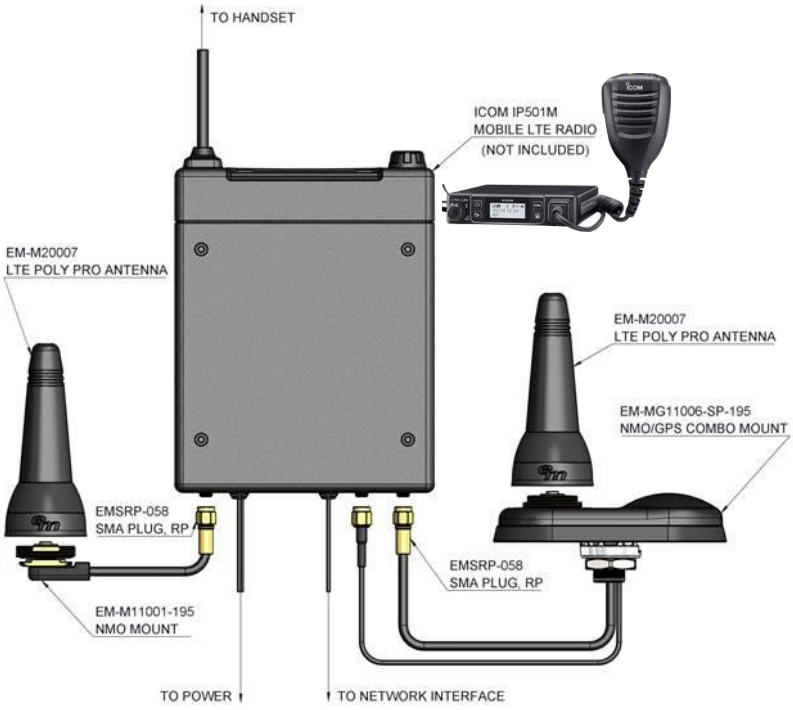
Product Data Sheet



EM-MGLTE-ICK01

ICOM™ OEM Replacement LTE External Antenna Solution Kit for IP501M Mobile Radio

- External mounting achieves maximum grounding resulting in superior performance
- Eliminates risk of in-vehicle shielding, obstructions, & absorbent materials affecting antenna efficiency
- Provides IP66/IP67 Rated ingress protection for water, dirt, dust & airborne particles

The EM-MGLTE-ICK01 Includes

1 ea. - EM-MG11006-SP-195 NMO/GPS Combo Mount w/SMA Plug (GPS)

1 ea. - EM-M11001-195 NMO Mount

2 ea. - EM-M20007 LTE-Poly Pro flexible antenna

2 ea. – EMSRP-058 SMA RP Connectors (Loose)

EM-MG11006-SP-195 Combination Mount GPS (L1) LNA and Filter Electrical Specifications

Frequency Bandwidth (L1)	1575.42 ± 3 MHz
Input / Output VSWR	2.0:1 max
Impedance	50Ω
Gain	30 dB typical @5Vdc
Noise Figure (dB)	2.0 max
Operational Voltage (Vdc) Current Drain (ldc)	3.0 - 5.5 V 6.0 - 20.0 mA
Filter Type & Attenuation wrt L1 (L1 +50 MHz) (L1 ±100 MHz)	SAW 35 dB min 45 dB min
Power Handling, Input	10 W
Passive Element	
Center Frequency Band	1575.42 MHz
Antenna VSWR	1.5:1 max
Impedance	50Ω
Polarization	RHCP

EM-M20007 LTE Poly Pro Electrical Specifications

Frequency Bands		698-960/1710-2700 MHz
VSWR		1.5:1 typical, 2:1 max
Impedance		50Ω
Gain	698-960 MHz	2 dBi (698-960 MHz)
	1710-2150 MHz	3 dBi (1710-2150 MHz)
	2150-2700 MHz	5 dBi (2150-2700 MHz)
Power Rating		100 W
Polarization		Linear, Vertical
E-Plane		70 deg. / 35 deg. Nominal
H-Plane		Omnidirectional
Ground Plane		Required

Frequency Band	30 – 1000 MHz min
VSWR[1]	1.5:1 typical
Impedance	50Ω
Cable Type / Model	LL195 / (EM-MG11006-SP-195)
Insertion Loss	2 dB, max
Power Rating[1]	150 W, max

Specifications subject to change without notification.

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