



This antenna is the ultimate in high gain perform ing applications with a permanent hole mount. mount provides operation on GSM, CDMA or Tr along with GPS. The GPS antenna has an active mum satellite reception.

GPS performance is 26 dB, with 5 dBi antenna g has a low noise figure (2.0 dB max) with exceller tics. Power for the GPS amplifier signal is applied cabling directly to the GPS circuit. The unit will o VDC bias.

A separate connector is provided for the GPS int 850/1900 band interface. The antennas are provi meters) of cables (RG-58 for GSM/CDMA, RG-174 connectors are SMA/SMA Plug (Male). Other con rations may be available, please consult your sa

Models are available for a variety of network cor gain is 2 dBi on the 800 MHz bands, and 5 dBi o bands. With advanced designs, there is no detrin between bands.

## **Specifications** Frequency: GPS 1575.42 +/-U15 824-894 M N15 806-870 M 870-960 M E15 Gain: 2 dBi on 80 5 dBi on 1.7 GPS Gain: 26 dB, LNA 5 dBi nomi VSWR: 2:1 max ov Noise Figure: 2.0 dB max **Operating Temp:** -40° to +85 Nominal Impedance: 50 ohms Maximum Power: 10 Watts (C **Amplifier Bias:** 2.7 to 5 VD Current: 20 mA max, 10 mA typical

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## Surface Mount High Gain 806-1990 MHz & GPS

- Thru-Hole mounts to vehicle roof/trunk, • or use optional trunk lip, mirror mount, or mag-mount
- High performance GPS, 26 dB active amplifier
- High performance across all bands
- Available for popular bands including Trunking

Option Sivi-Tivi			
nance for AVL/track- [his TriBand Surface unking 800 bands amplifier for maxi-	Model Configurator   SMX- -   Frequency Option -   Cable/Connector 1 -   Cable/Connector 2 -		
ain. The GPS circuit nt filter characteris- d through the same perate with 2.7-5	Color — Example: SMX-U15-1A2C-BLK MGX-U15-1A2C-BLK		
terface and the ided with 15 feet (4.5 4 for GPS). Standard nnectors and configu- les representative. mbinations. Antenna n the 1.8/1.9 GHz nental interaction		Options: Connector Options:   Cable Code Connector   RG-58 A TNC   RG-174 B Mini UHF   RF-195 C SMA   D SMB   E MCX	
2 MHz Hz/1850-1990 MHz Hz/1850-1990 MHz Hz/1710-1880 MHz 0 - 960 MHz, 7 - 2 GHz nal RHCP Antenna er range , 1.7 dB typical	Cable: GPS Cell/Trunking Whip: Case Material: Dimensions: Mounting:	RG-174, 15 feet (4.5 m) RG-58, 15 feet (4.5 m) 304 Stainless Steel Polycarbonate 12" tall, base is 1" H x 2 5/8" D 31 cm tall, base 2.5cm H x 6.7 cm D 3/4" dia x 1/2" long (19 mmx12 mm) for 3/16" thick (4.78 mm) surface	
• C ell/Trunking Band) C	Connector: Shock & Vibration: Water Ingress:	Óptional Mirror & Trúnk Mount SMA/SMA Plug (Male) standard EN 61373, TIA-329.2-C IPx5	