

# Heavy Duty Navigation Antenna

## E1215

The E1215 is a heavy-duty vehicle antenna for applications where optimal L1/L2 GPS signal reception is required.

- Rugged, low-profile antenna construction
- Built-in low noise amplifier to enable long cable connection to receiver
- High outer band attenuation with integrated filtering



Product details*	
Frequency band	L1 : 1575.42 MHz $\pm$ 12 MHz L2 : 1227.60 MHz $\pm$ 12 MHz
Polarization	RHC (Right Hand Circular)
Antenna type	Active ceramic patch antenna
Gain (typical)	L1 : 21 dB $\pm$ 1.5dB L2 : 20 dB $\pm$ 1.5dB
Noise Figure (typical)	L1 : 2.6 dB L2 : 3.0 dB
P <sub>out</sub> 1dB gain Compression point (typical)	+2dBm (1575.42MHz) -2dBm (1226.7MHz)
Nominal Impedance	50 $\Omega$
Outer Band Attenuation	100MHz~1180MHz 40dB 1280MHz~1520MHz 30dB 1620MHz~6000MHz 45dB
Power supply (fed through signal cable)	1.8 - 5.5 V (16 mA typical)
Standard color	Black
Height	65 mm
Diameter	140 mm
Weight	0.6 kg

Installation*	
RF connection	Female N-type connector
Mounting	4 hole US and 3/6 hole NATO pattern mount

\*Specific adjustments on request

Order number	NSN	Product
E1215	5985 - 58 - 000 - 8152	Antenna as described above
E1215-F13	5985 - 58 - 000 - 8152	Antenna as described above, color RAL6003