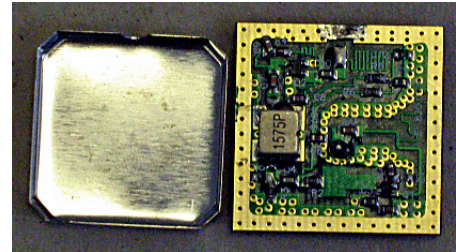


GPS_MOD/CH_25X2 GPS Antenna Module
With Integrated 27dB LNA

GPS Active Antenna Module with a filtered LNA

Frequency: 1575.42MHz
 LNA Gain (at 5V): 27dB Nominal
 LNA Noise Figure: 1.8dB (Typ.)
 Supply Voltage: 3-5V
 Supply Current: 15mA Nominal
 Impedance: 50Ω



CERAMIC PATCH DATA	PA25MM/CH/2
Centre Frequency	1575.42MHz±3 MHz
V.S.W.R	1.5:1
Band Width	±3 MHz
Attenuation	fo±100MHz >30dB
Impedence	50 ohm
Peak Gain	>3.0dBic
Gain Coverage	>-2dBic at -90°<0°<+90°(over 75% Volume)
Polarization	RHCP

LNA DATA	LNA
LNA Gain (Without cable)	27dB typical
Noise Figure	1.8dB typical
V.S.W.R	<2.0
DC Voltage	3 – 5V
DC current	15mA typical

Physical Data

Gross Dimensions: 27.5mm x 27.5mm x 7.5mm
 Operating Temp: -40°C to +85°C
 Storage Temp: -40°C to +100°C
 MTBF: 1x10⁻⁶/pc.hr based on a 2000pc sample run for 480Hrs.
 Cable and Connector: This module is designed to provide a range of embedded solutions and can be supplied with any combination of miniature and sub-miniature cable types and connectors.

The above data is to be used as baseline information only. For a more detailed specification, application support or application approval samples, please contact our technical support help desk on +44(0) 2392327 020. We reserve the right to modify the specifications without prior notice.