

## AMC-ANTGPSAP25X4

### Internal 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	AMC-ANTGPSAP25X4
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: 27.55mm x 27.50mm x 8.95mm  
 Operating Temp: -40°C to +85°C  
 Storage Temp: -40°C to +100°C  
 MTBF: 1x10<sup>-6</sup>/pc.hr based on a 2000pc sample run for 480Hrs.  
 Cable and Connector: Specified length of 1.13mm dia. cable and specified connector

<b>Ordering Information</b>		
<b>Part Number</b>	<b>Cable length &amp; type</b>	<b>Connector Type</b>
AMC-ANTGPSAP25X4-G080	80mm x 1.13 $\emptyset$	IPEX MHF I
AMC-ANTGPSAP25X4-I150	150mm x RG-174	MMCX R/A