



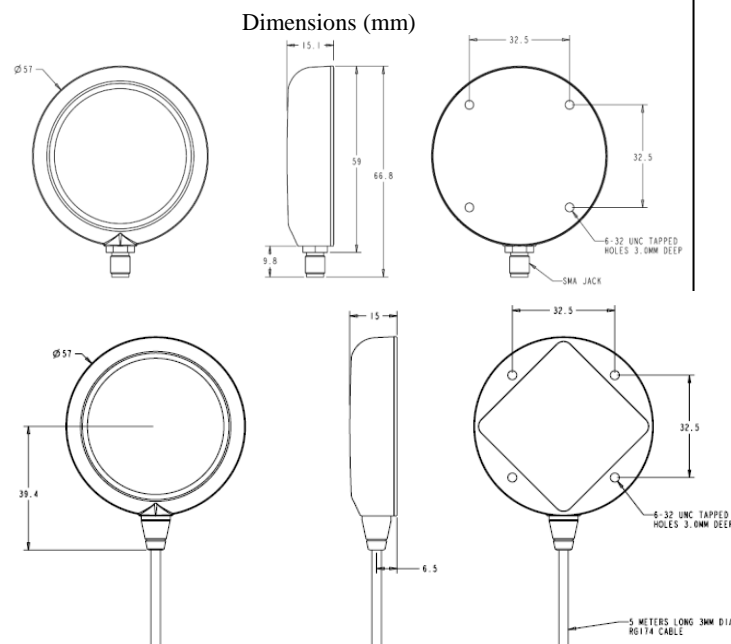
## A Tallysman Accutenna® TW2410P Dual Feed GPS L1 / GLONASS G1 Passive Antenna

The TW2410P employs Tallysman's unique Accutenna® technology covering the GPS L1 plus GLONASS G1 frequency. It provides truly circular response over its entire bandwidth.

The TW2410P features a dual-feed wideband patch element and a mid section SAW to filter the combined signal. This configuration provides excellent axial ratio that is constant across the full frequency band.

The TW2410P is housed in a compact, industrial-grade weather-proof, magnet mount enclosure, and is available with a variety of connectors and cable lengths or can be ordered with an SMA connector on the housing bulkhead.

The antenna can be ordered without the magnet. In such cases, the magnet is replaced with a plastic plug to provide a smooth under surface.



### Features

- **dual-feed, wide band** patch
- Axial ratio, <1 dB over full bandwidth
- High gain 4.5 dBic
- Robust design
- Small form factor
- -40°C to +85 °C Operation

### Benefits

- Better axial ratio at lower elevation angles
- Compact form factor
- RoHS compliant



## TW2410P Dual Feed GPS L1 / GLONASS G1 Passive Antenna Specifications

Over full bandwidth, T=25°C

### Antenna

Architecture	Dual, quadrature feeds
Antenna Gain (100mm ground plane)	4.5dBic
Axial Ratio (over full bandwidth)	<1dB
1dB Bandwidth	32MHz

### Electrical

Architecture	Dual Feed Patch -> Hybrid 90° Combiner
Polarization	RHCP
VSWR (at antenna PCB)	<1.5:1
Return Loss Bandwidth (-10 dB)	>20MHz

### Mechanicals & Environmental

Mechanical Size	57 mm dia. x 15 mm
Enclosure	Radome: ASA Plastic, Base: Zamak white metal
Cable	RG174
Operating Temp. Range	-40°C to +85°C
Weight	110g
Attachment Method	Magnet, Adhesive or M2 screw mount
Environmental	RoHS compliant, IP67
Shock	Vertical axis: 50G, other axes: 30G
Vibration	3 axis, sweep = 15 min, 10 to 200Hz sweep: 3G
Warranty	One year – parts and labour

### Ordering Information

TW2410P – Dual Feed GPS/GLONASS Passive antenna 33-2410P-xx-yyyy  
Where xx = connector type and yyyy = cable length in mm

Please refer to the Ordering Guide [ <http://www.tallysman.com/wp-content/uploads/Current-Ordering-Guide.pdf>] for the current and complete list of available connectors.



Tel 613 591 3131

Fax 613 591 3121

36 Steacie Drive, Ottawa ON K2K 2A9 Canada

[sales@tallysman.com](mailto:sales@tallysman.com)

The information provided herein is intended as a guide only and is subject to change without notice. This document is not to be regarded as a guarantee of performance. Tallysman Wireless Inc. hereby disclaims any or all warranties and liabilities of any kind. © 2016 Tallysman Wireless Inc. All rights reserved. Rev 1.0