

Embedded GNSS Antenna

PN # ATRF-OEM615-0

Applications: Duad-feed configuration with accurate phase center.
for OEM Hand-held Survey Equipment, etc..

Specification:

Frequency: 1217-1250MHz, 1565-1608MHz for:

GPS: L1 C/A, L2E, L2C

Glonass: L1 C/A, L1P, L2 C/A, L2P

SBAS: L1 C/A and QZSS L1.

Galileo: E1

Polarization: RHCP

Axial Ratio: 3dB max.

LNA:

Gain: 40dB

Noise Figure: <2.0dB

Port VSWR: < 2.0 :1

Voltage: 2.7-5.5V DC

Current Draw: <50mA

Spike Voltage withstanding: +/-12 DC

ESD: 8KV

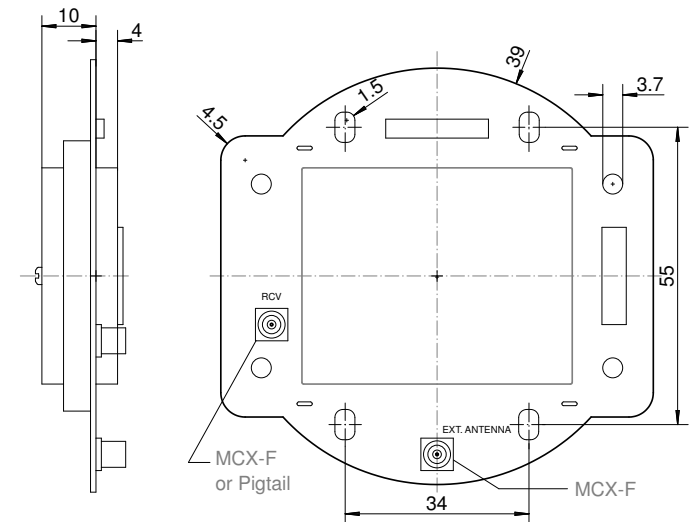
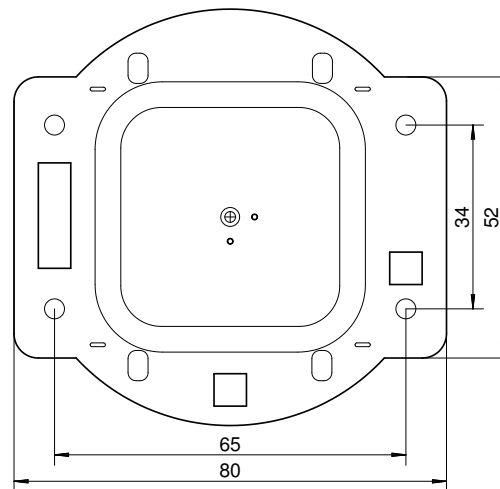
External Antenna Detection Circuit

Environment:

Operating Temperature: -40 - +85 °C

REVISIONS

REV.	DESCRIPTION	DATE	APPROVED
1	PROTOTYPE		
A	RELEASED TO PRODUCTION		



FOR TOLERANCES NOT SPECIFIED:
[Xmm +/- 0.5mm], [X.X mm +/- 0.1mm]
[X.XX mm +/- 0.1mm]
ANGULAR +/- 1°

UNIT: mm (inch)

DRAWN: BD

APPROVED: HMS

QA:

SIZE: A3

SCALE: NONE

Atlanta RFtech LLC

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