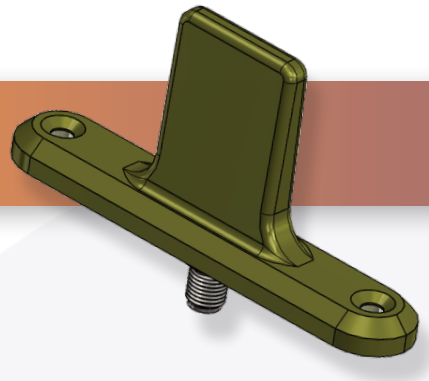
Part No:

HAD-2358-H1B-01



SMA Female Blade Antenna, S-Band - 2.50 - 3.80 GHz

Features

- **Low SWaP Design:** Aerodynamic profiles reduce drag, extending UAS flight times while maintaining structural integrity.
- **Broadband Performance:** Omnidirectional coverage supports real-time data transmission, with patterns optimized for small ground planes.
- **Durability and Compliance:** Rugged radomes protect against environmental stressors; NDAA-compliant materials ensure eligibility for U.S. government contracts.

The HASCO **HAD-2358-H1B-01** is an SMA Female Blade Antenna that operates within the S-Band 2.50 - 3.80 GHz.

HASCO offers a versatile family of blade antennas, each engineered for aerodynamic efficiency, durability, and seamless integration. All models feature SMA-F connectors, VSWR ≤2.0:1, azimuth omnidirectional coverage, elevation patterns similar to a quarter-wave monopole on small ground planes, 1-3 dBi peak gain, and 20W CW power handling. Weights range from 0.43 oz (15.3 g) to 1.25 oz (35.1 g), minimizing impact on UAS flight dynamics.

Electrical

• Impedence	50 Ω
• Frequency Range	2.50 - 3.80 GHz
• VSWR	2.0:1 Max
• Azimuth	Omnidirectional
• Elevation	Same as quarter wave monopole on small ground
• Gain	1 - 3 dBi Peak
• Power	20 Watts, CW

Mechanical

• Height	3.29 inch (83.67mm)
• Base Width	2.588 inch (65.74mm)
• Weight	0.67 oz (19.0 g)
• Mount	2-Hole

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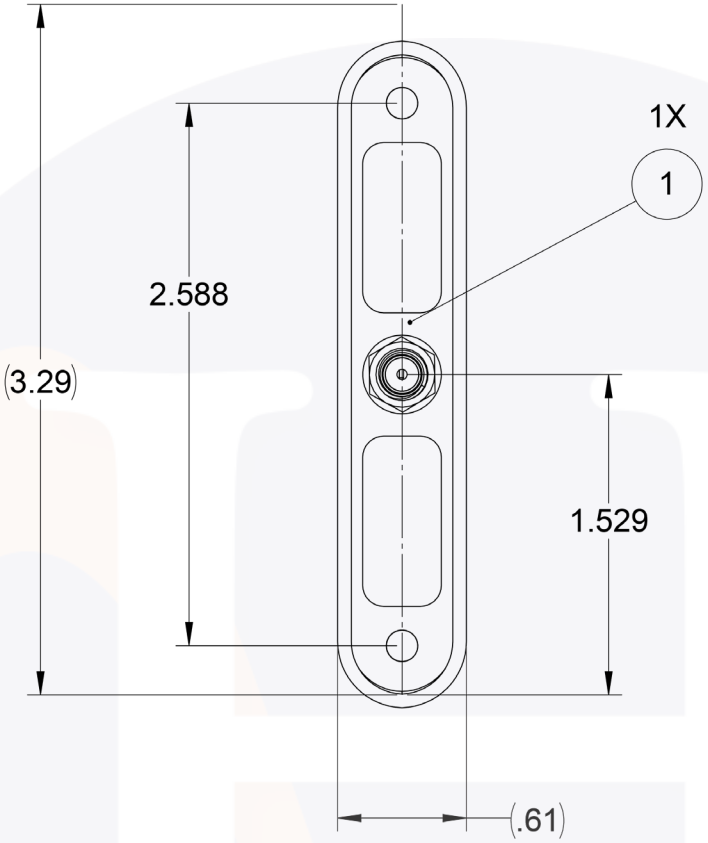
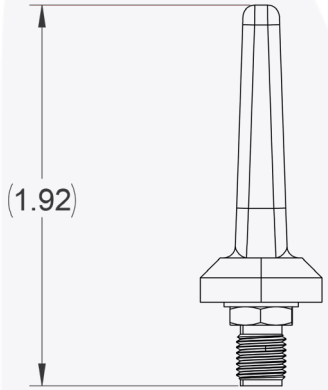
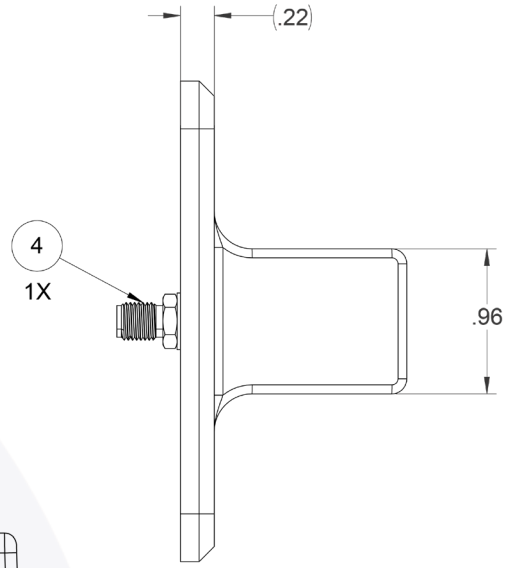
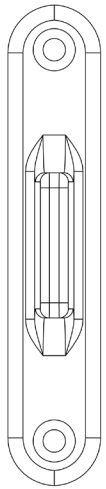
SMA Female Blade Antenna, S-Band | 2.50 - 3.80 GHz | Outline Drawing









ITEM	DESCRIPTION
1	Base
2	PCB
3	Radome
4	SMA Female Receptacle

LTR	DESCRIPTION	DATE	APPR.
-	RELEASE	1/25	TC

THIS DRAWING IS A CONTROLLED DOCUMENT

DRAWN BY: *NS*

REVIEWED BY: *JS*

APPROVED BY: *TC*

HASCO COMPONENTS
5214 Bonsai Avenue • Moorpark, CA 93021
(888) 498-3242 • sales@hasco-inc.com
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MATERIALS: SEE DATA SHEET

FINISHES: SEE DATA SHEET

CAGE CODE: 0T8L4

SCALE: N/A

SIZE: A

PART NO./DRAWING NO.: **HAD-2358-H1B-01**

REV: -