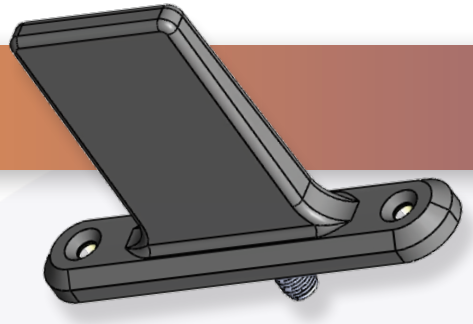
Part No:

HAD-1325-O1M1-02

SMA Female Blade Antenna, L-Band - 1.35 - 2.5 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-1325-O1M1-02** is an SMA Female Blade Antenna that operates within the L-Band.

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	1.35 - 2.5 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	2.588 inch (63.74mm)
• Base Width	2.28 inch (57.99mm)
• Weight	0.685 oz (19.4 g)
• Mount	2-Hole

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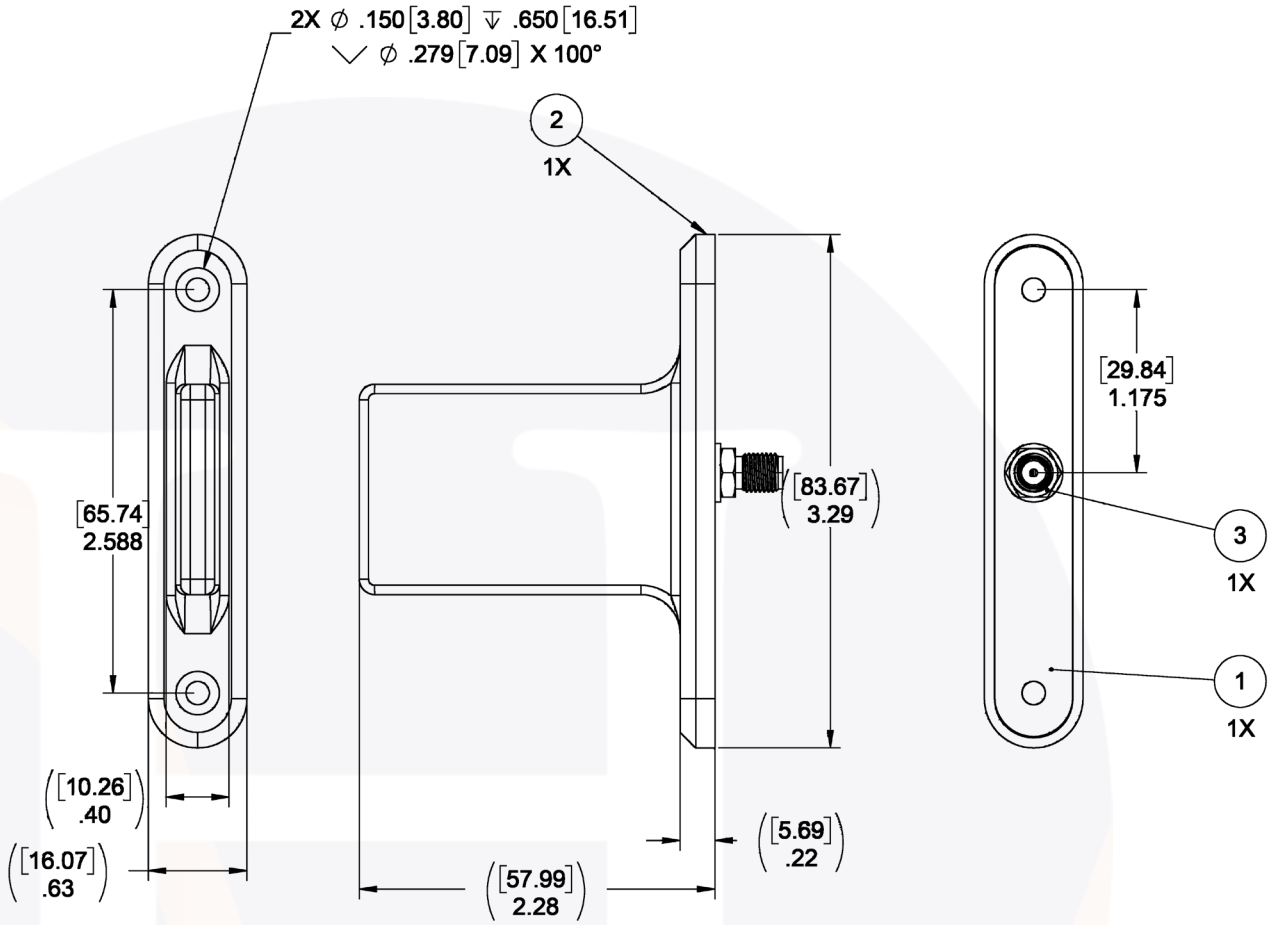
SMA Female Blade Antenna, L-Band | 1.35 - 2.5 GHz | Outline Drawing



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

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
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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-1325-O1M1-02**

REV: -