

Part No:

HAD-1325-01M1B-01



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-1325-01M1B-01** 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 $\leq 2.0:1$, 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.

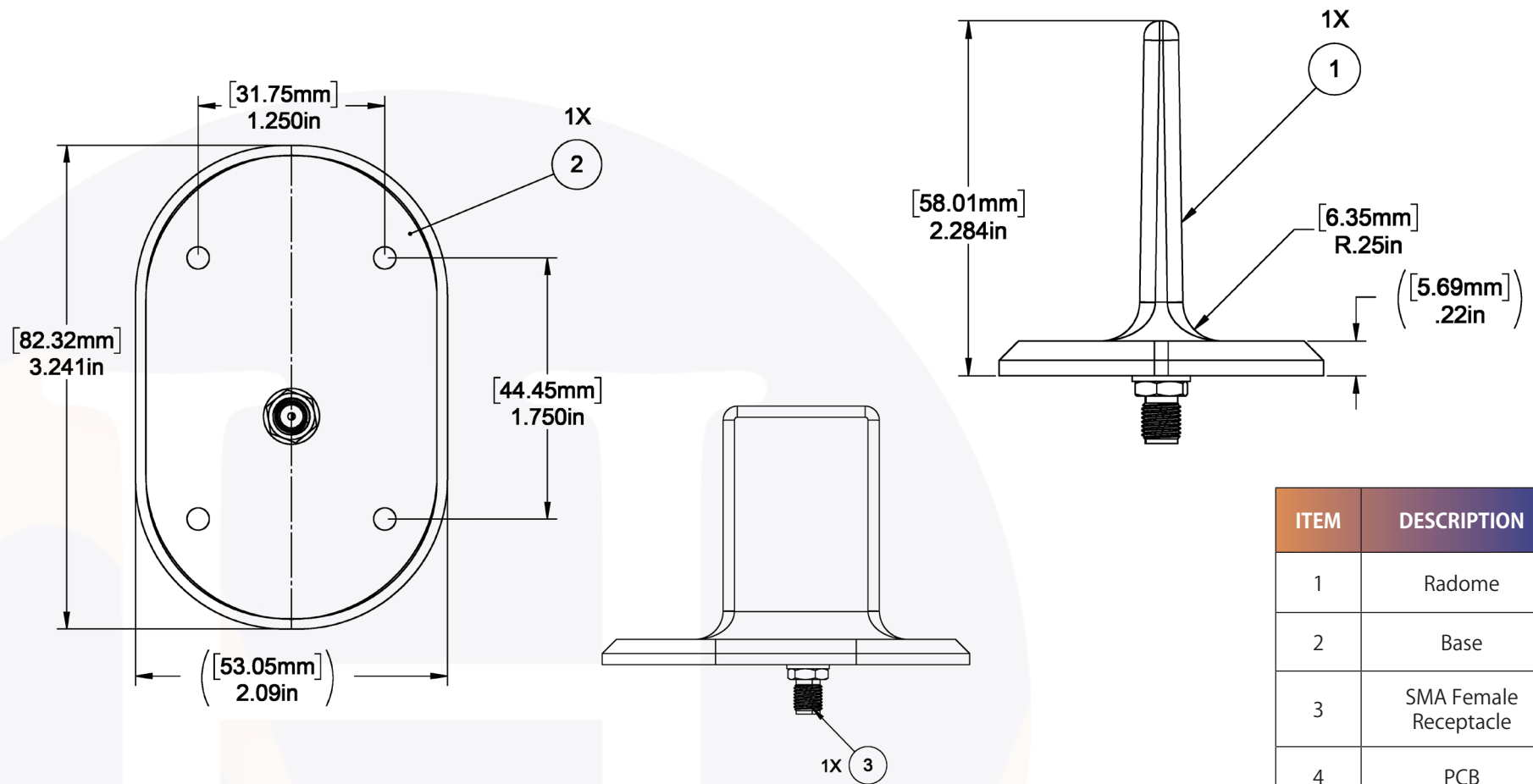
Electrical

| | |
|-------------------|---|
| • 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 | 3.241 inch (82.32mm) |
| • Base Width | 2.284 inch (58.01mm) |
| • Weight | 1.25 oz (35.1 g) |
| • Mount | 4-Hole |

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



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

| LTR | DESCRIPTION | DATE | APPR. | DRAWN BY: NS | REVIEWED BY: JS |
|---------------------------------------|-------------|------|-------|--|-----------------|
| - | RELEASE | 1/25 | TC | | APPROVED BY: TC |
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5214 Bonsai Avenue • Moorpark, CA 93021
 (888) 498-3242 • sales@hasco-inc.com
www.hasco-inc.com

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| MATERIALS: SEE DATA SHEET | CAGE CODE: 0T8L4 | SCALE: N/A | SIZE: A |
| FINISHES: SEE DATA SHEET | PART NO./DRAWING NO. HAD-1325-01M1B-01 | | REV: - |