

Shenzhen Dongmingda Industrial Co., Ltd.

Antenna Specification For Customer Approval

Customer Name: _____ Customer Batch Number: _____

Product Name : 4436 Polished Antenna Sample

Submission ID: _____

The antenna tube is made of 201 stainless steel; the base and antenna cap are made of zinc alloy; the 1.92mm tube is stainless steel; and the contact spring is made of iron.

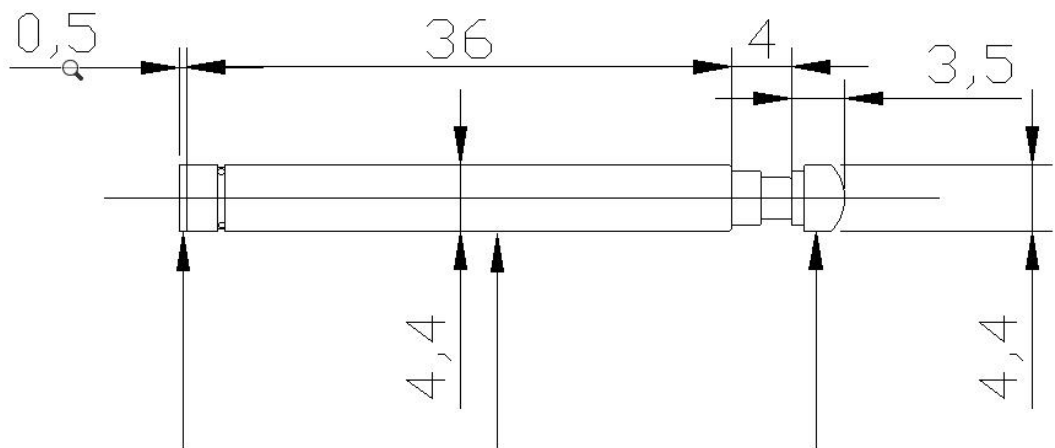
(Polished antenna surface) Total extended length is 113 mm; retracted length is 45 mm.

qualified

Refuse delivery

Please refer to the next page for details regarding this product.

No.	Inspection Item	Requirement	Acceptance Standard
1	Dimensions	TL-type antenna dimensions must comply with customer-provided drawings; retracted length is 44mm, fully extended length is 108mm	AQL = 0.65
2	Appearance	Surface must be free from obvious defects such as scratches, flow marks, dents, cracks, peeling, exposed base material, or rust	AQL = 2.5
3	Bending	When fully extended horizontally, the downward deflection (sag) of the antenna must be $\leq 3\%$ per meter	AQL = 0.65
4	Tactile Feel	Operation should feel comfortable and smooth (proper tension); no sticking or abnormal noises	AQL = 2.5
5	Extension/Retraction Force	Force between antenna sections: max < 12N, min > 2N; "skipping" of sections during operation is permissible	AQL = 1
6	Contact Resistance	DC contact resistance < 0.5 Ω	AQL = 1
7	Axial Load	Axial load capacity when fully extended must be > 48N	AQL = 0.65
8	Assembly	Riveted connections between antenna tubes, base, and top cap must not be loose	
9	Rotation	Capable of 300 full (360°) rotations per minute; gain value of 0.5	



Antenna base Antenna base Antenna base

The antenna tube is made of 201 stainless steel; the base and antenna cap are zinc alloy; the 1.92mm solid rod is iron; and the spring contact is iron. (The antenna surface features an eco-friendly nickel plating.)