

Inspection Report

Report No.: XYKB-140508

Supplier : XY-GLOBAL

Inspection Date: 4th Jun, 2014

Inspector: Leo

Inspection only for: PO . XYKB-140508 Item No. XY72YM004	Inspection Result: PASS
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Description	Finished Q'ty	Sample Size	Defect Found	Defects Description	Acceptable Q'ty
XY72YM004	15000PCS	1% inspection	0pcs	No failure	15000pcs

Appearance Inspection :
No failure,
Dimension Inspection:
No failure , below measurement report for reference.
Assembly Test:
No failure
Inspection Summary
The inspection sample plan is 100% inspection.

Digital photo records :

A stack of four cardboard boxes, each labeled "XY-GLOBAL". The boxes are stacked vertically, with a green plant visible in the background.

1. Packing

A close-up photograph of a dark, circular, cast metal component with a central square hole and a protruding tab on the right side.

2. Product

A close-up photograph of the same dark, circular, cast metal component from a different angle, showing the central square hole and the protruding tab.

3. Product

A close-up photograph of the same dark, circular, cast metal component from a different angle, showing the central square hole and the protruding tab.

4 Product

A close-up photograph of the same dark, circular, cast metal component from a different angle, showing the central square hole and the protruding tab.

5. Product:

A technical drawing of the component with dimensions. The drawing is labeled "XY-GLOBAL" and "XY Electronics Technology Co., Ltd". It includes a table of dimensions and a list of inspection items.

Dimension	Value	Unit	Inspection	Result
1. Overall Dimension	40.00	mm	✓	OK
2. Inner Dimension	20.00	mm	✓	OK
3. Hole Diameter	10.00	mm	✓	OK
4. Hole Depth	5.00	mm	✓	OK
5. Tab Width	10.00	mm	✓	OK
6. Tab Height	5.00	mm	✓	OK
7. Tab Thickness	2.00	mm	✓	OK
8. Tab Position	10.00	mm	✓	OK
9. Tab Angle	90.00	deg	✓	OK
10. Surface Finish	0.80	μm	✓	OK
11. Material	Aluminum		✓	OK
12. Heat Treatment	T6		✓	OK
13. Weight	150.00	g	✓	OK
14. Volume	150.00	cm³	✓	OK
15. Density	2.70	g/cm³	✓	OK
16. Tensile Strength	150.00	MPa	✓	OK
17. Yield Strength	100.00	MPa	✓	OK
18. Elongation	10.00	%	✓	OK
19. Reduction of Area	50.00	%	✓	OK
20. Impact	10.00	J	✓	OK
21. Hardness	150.00	HV	✓	OK
22. Surface Hardness	150.00	HV	✓	OK
23. Corrosion Resistance	100.00	h	✓	OK
24. Fatigue Life	100.00	cycles	✓	OK
25. Creep Resistance	100.00	h	✓	OK
26. Thermal Stability	100.00	h	✓	OK
27. Electrical Resistance	100.00	Ω	✓	OK
28. Thermal Conductivity	100.00	W/mK	✓	OK
29. Coefficient of Thermal Expansion	100.00	μm/mK	✓	OK
30. Poisson's Ratio	0.30		✓	OK

6. Dimensions report:

[illegible]