

KES

Ignition Coil

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1. Scope of Application

This specification provides for the Ignition Coil which is designed for use in the ignition system of our company.

2. Construction and Material

The construction and the material shall conform to the product drawing. When the different test method and judgment standard is needed, they shall conform to the specifications in the specification drawing.

3. Test Item, Method, Judgment Standard and Inspection Method

The test item, method, judgment base and inspection method shall be as shown in the Attached Table 1.

Appendix

This standard is effective from the date of establishment and revision.

Standard Quoted

KS R 0015 (Method of moisture, rain and spray test for automobile parts)

Attached table 1

Test Item, methods, Judgment Standard and Inspection Method

Test Classi- fication	No.	Content of Test		Judgment Standard	Inspection Method	
		Test Item	Test Condition and Method		Development	Manufacture
Initial Characteristics	3-1	Primary Coil Resistance	Measure primary coil resistance by Wheatstone Bridge at $20 \pm 3^{\circ}\text{C}$	Within $\pm 10\%$ of specified value in specifications.		<u>n=10</u> Lot
	3-2	Resistor resistance	Measure resistor resistance by Wheatstone Bridge at $20 \pm 3^{\circ}\text{C}$			
	3-3	Secondary Voltage	Assemble Coil with prescribed distributor(Dwell angle; $52 \pm 3^{\circ}\text{C}$; unless otherwise specified, according to specifications), and measure gap dimension of sure- fire by firing at 3 point spark gap using test equipment as shown in A. * measurement conditions according to specifications * In the case of resistor seperating type, assemble resistor.	The sure-Fire dimensions must agree with(conform to) the specificat- ions.		<u>n=10</u> Lot
	3-4	Insulation Resistance	Place ignition coil at $80 \pm 3^{\circ}\text{C}/1$ and then conduct measurement between coil terminal and case with 500V megger. * In case of seperating resistor type, measure terminal and band	Higher than 100M Ω		<u>n=10</u> Lot