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SPECIFICATIONS

SPECIFICATION CONDITIONS

This document contains specifications and supplemental information for the Model 8011 High Current Test Socket Kit. These specifications are for the 8011-DTB Device Test Board, and not the 8011-CTB Customizable Test Board.

Specifications are the standards against which the Model 8011 is tested. Upon leaving the factory, the 8011 meets these specifications. Supplemental and typical values are non-warranted, apply at 23 °C ± 5 °C, < 70 percent relative humidity, and are provided solely as useful information.

SPECIFICATIONS

Device socket configuration	<ul style="list-style-type: none"> ▪ Axial (2-wire or Kelvin) ▪ 2 and 3-pin TO-247 (2-wire or Kelvin)
Input connectors	Six 4 mm screw down banana jacks
Maximum signal voltage	40 V
Maximum DC current	15 A
Maximum pulse current	50 A at 1 percent duty cycle
Path resistance	<ul style="list-style-type: none"> ▪ < 8 mΩ from 2-pin high current Phoenix connector to device socket ▪ < 7 mΩ from 2-pin high current Phoenix connector to axial connectors
Path inductance	<ul style="list-style-type: none"> ▪ < 350 nH typical from 2-pin high current Phoenix connector to device socket ▪ < 350 nH typical from 2-pin high current Phoenix connector to axial connectors ▪ Test frequency = 8 kHz to 10 kHz
Warranty	1 year
Safety	Conforms to IEC-61010: 2001
Dimensions (assembled)	4½ in. (104 mm) high x 6 in. (152 mm) wide x 5¼ in. (133 mm) deep
Weight	3 lb (1360 g) (this weight includes all parts and accessories)
Environment	<ul style="list-style-type: none"> ▪ For indoor use only ▪ Altitude: Maximum 2000 meters above sea level ▪ Operating: 0 °C to 50 °C, 70 percent relative humidity up to 35 °C. Derate 3 percent relative humidity/ °C, 35 °C to 50 °C ▪ Storage: – 25 °C to 65 °C

AVAILABLE ACCESSORIES

Model numbers	Description
8010-DTB	TO-247 Device Test Board
8010-CTB	Customizable Test Board