

ZT1 - Diode Pulse Test Apparatus

High Voltage Pulse Test Apparatus For Use By Test And Development Engineers To Verify The Transient Voltage Response Of Zener Diodes as required by EN60079-11:2007, Clause 10.8



The ZT1 Zener diode test apparatus allows test and development engineers to verify the transient response of zener diodes using two methods of test. The first method allows a reduced voltage as determined by the cold resistance (U_m/R). The Second method allows proper simulation of the circuit by allowing a resistor or fuse to be placed in series with the diode under test and then applying the full 250Vdc test voltage. The test pulse duration can be set according to the fuse characteristics. The scope output allows the engineer to monitor the diode response compared to the pulse



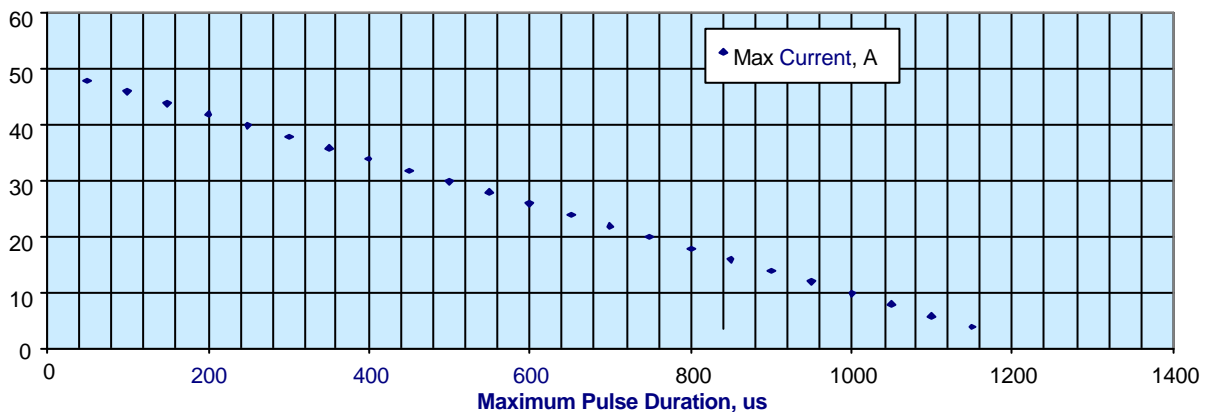
The response time of the switching circuit accurately represents the pulse signal delivering the high voltage pulse, allowing response to be observed on a scope

The output meets the 5% accuracy limit as required by the standard. Other versions that allow for calibration to better than 1% accuracy and other useful features are available upon request

Specifications

Test Voltage Range	-	55 – 275 Vdc
Energy Storage	-	1330 uF (capacitance)
On Resistance	-	<0.40hm
O/P Impedance – Scope	-	Buffered
I/P Impedance – Sig Gen	-	120 Ohm Typical
External Power	-	24Vdc @ 0.25A max
Input Fuse	-	250 mA, slow blow
Peak Current – Pulsed	-	48A peak 50uS 0.5% duty
Scope Output range	-	Divide by 1, 5 and 10

Current / Pulse



For further details about this product or any other test equipment requirement
 You may have, please contact us: Email: inquiry@sjw-cs.com
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