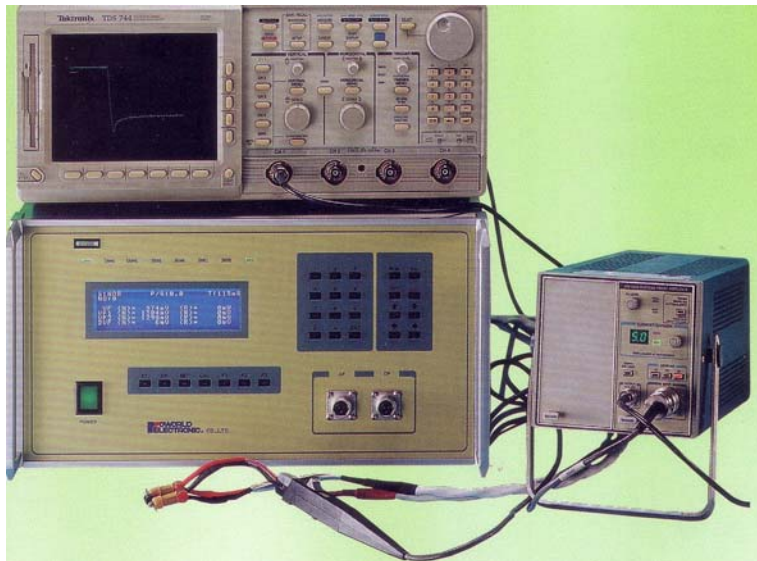


MODEL : DVF 6000

Rectifier Diode DVF Tester



Key Features :

The LCD display is designed with a blue color background and large font word display for clear observation and reading

The DVF6000 tests the general VF first to screen out abnormal VF objects, then it measures the DVF parameter.

It is specially designed in a delay time setting Td to get an optimum DVF change after the heating current IFT is turned off.

It is equipped with a standard RS232 interface to allow connection with personal computers to allow for bi-directional transfer of the parameters' settings and data acquisition to PCs.

It is designed with your choice of Kevin polarizing circuitry or fixed direction testing..

There are two types of interface connectors for connecting with various mechanisms to provide them with the total of the 8 bins' pinouts and handshaking control signals such as: EOT and SOT.

The bins' output offers the choice of 24V or 12V power supply.

This model uses 16 bits of D/A and A/D converters making it highly precise and reliable

The Function of the Model DVF6000 is for the testing of power diode DVF parameters. Its testing procedures first check the VF parameters to screen out abnormal VF diodes, and then it measures the DVF parameter. The maximum current source it can provide is up to 25 A. The tester operates by first releasing a tiny current I_m to prevent heating the P-N junction temperature and then reads its VF value under a room temperature environment. Next it flow a large IFT current, which is controlled by an adjustable PW setting, to determine how much time the current will be permitted to flow through the diode junction to heat up the junction temperature. Then it measures the VF again under the same I_m current after the IFT stops flowing. Measuring two VF differences under different temperatures of P-N junctions is called DVF. This determines whether the soldering is sufficient and whether the chip size is correct.



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