

TESTING GERMANIUM DIODES
ON THE MODEL 539B TUBE TESTER

Two tests only are made on these diodes in the following order:

1. Forward conduction and rectification.
2. Reverse conduction

For the Forward Conduction and Rectification test connect the cathode end of the diode to the octal test socket pin No. 3 and connect the other end to the octal test socket pin No. 6. The grid and plate leads supplied with the tester may be used for these connections. If the meter reads backwards, reverse the diode. The diode will then be properly connected for the Reverse Conduction test also.

Tube	Fil	Selectors	Bias Volts	Shunt	Press	Range	Min. Mut. Cond.	Notations
IN34	OFF	AP-0603-0	40.0	90	P3	G	☆	Forward conduction and Rectification
IN34	OFF	AP-6300-0	40.0	90	P1	D	----	Reverse conduction. Diode is OK if reading is less than 800 on 6000 scale.
IN38	OFF	AP-0603-0	40.0	90	P3	G	☆	Forward conduction and Rectification.
IN38	OFF	AP-6300-0	40.0	90	P1	D	----	Reverse conduction Diode is OK if reading is less than 350 on 6000 scale.
IN48	OFF	AP-0603-0	40.0	90	P3	G	☆	Forward conduction and rectification.
IN48	OFF	AP-6300-0	40.0	90	P1	D	----	Reverse conduction Diode is OK if reading is less than 1400 on 6000 scale.
IN91	OFF	AP-0603-0	40.0	91	P3	G	☆	Forward conduction and rectification.
IN91	OFF	AP-6300-0	40.0	91	P1	D	----	Reverse conduction. Diode is OK if reading is less than 2000 on 6000 scale.
IN93	OFF	AP-0603-0	40.0	91	P3	G	☆	Forward conduction and rectification.
IN93	OFF	AP-6300-0	40.0	91	P1	D	----	Reverse conduction Diode is OK if reading is less than 300 on 6000 scale.