

Models 152 2 x 64 ATE Switch Matrix

The model 152 is a bi-directional (**X-Y**), solid state switch matrix intended for Automatic Test Equipment (ATE) installations. The model 152 has two **X** side ports and 64 **Y** side ports. The matrix has a fan-out (fan-in) of one; one X port can only be connected to one Y port at a time. The matrix can support two independent routes simultaneously.

The unit's front panel permits users to change routes, as well as checking the health and status of the chassis. A simple ACSII literal based command set allows quick and easy remote control of the unit.

Electrical

Matrix Configuration	2 x 64
Frequency Range	50 – 1000 MHz
On Path Insertion Loss	-5 dB
Noise Figure	5 dB
Off Path Isolation	50 dB
2 nd Order Inter-modulation Distortion,	32 dBm, 50 – 500 MHz
IP2	40 dBm, 500 – 1000 MHz
3 rd Order Inter-modulation Distortion,	25 dBm, 50 – 500 MHz
IP3	32 dBm, 500 – 1000 MHz
Maximum Input Level	+17 dBm
Maximum Input Level, No Damage	+23 dBm
Impedance	50 ohms
Return Loss / VSWR	-14 dB / 1.5:1
Remote Control Interfaces	RS-574 (DTE) RS-485 (two wire) 10/100BaseT (RJ45)
Primary Power	115/230VAC, 50/60Hz, 25 watts

Mechanical

Chassis Size	4U (7.00")H x 19"W x 20"D
RF Connectors	SMA female

Environmental

Operating Temperature	0 to +50 C
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Configuration/Ordering Information

152

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