Ironwood Electronics, Inc.

Model P-P138A

Report summary sheet

Pin test configuration:

12 pins in a 1 mm pitch array, two signal pins surrounded by ground. Delrin pin block 0.5" x 1.2, $\varepsilon = 3.6$, 0.098" thick

Current Carrying Capacity: 4A

Performance:

Time domain:

Signal delay = 45 ps Rise time, open circuit < 24.6 ps Rise time, short circuit < 41.9 ps Rise time, thru 50 O < 34.1 ps

Frequency domain:

Insertion loss < 0.5 dB to 4.1 GHz < 1 dB to 10 GHz

VSWR < 1 : 2 to 9 GHz S31 (crosstalk) < -10 dB to 8 GHz

Equivalent circuit parameters:

Pin inductance = 0.62 nHMutual inductance = 0.065 nHPin to ground capacitance = 0.45 pFPin to pin capacitance = 0.042 pF

Transmission line $= Z_0 = 43 \text{ ohms}$, $T_1 = 45 \text{ ps}$