

TABLE 1 SPATIAL RESOLUTION OF TDR MEASUREMENTS

Rise time (psec)	Dielectric				
	Air (microns, $\epsilon_R=1$)	Teflon (microns, $\epsilon_R=2.1$)	FR4 (microns, $\epsilon_R=4.6$)	Alumina (microns, $\epsilon_R=9.8$)	Gallium arsenide (microns, $\epsilon_R=12.9$)
5	750	518	350	240	209
10	1500	1035	699	479	418
15	2250	1553	1049	719	626
40	6000	4140	2798	1917	1671

Courtesy Picosecond Pulse Labs