SPECIFICATIONS

Test parameters

Controlled Impedance Measurement Range	0 – 150Ω
Measurement Accuracy (single-ended)	1% at 50Ω 1.25% at 75Ω 1.5% at 28Ω and 100Ω (Calibrated against traceable standards at 28Ω, 50Ω, 75Ω and 100Ω)
Impedance Tolerance Range	0.1% – 99.99%
Vertical Display Ranges (Ω)	1, 2, 5, 10, 20, 50Ω/division
Vertical Display Ranges (mRho)	10, 20, 50, 100, 200, 500 mRho/division
Horizontal Display Ranges	Automatically set by software
Testable Trace Lengths Maximum Minimum (using non-matched probe) Minimum (using matched probe)	 15 meters 0.09 meters 0.04 meters
Horizontal Distance Units	Inches, feet, meters, millimeters
Horizontal Time Units	Nanoseconds, picoseconds
Test Method	Time Domain Reflectometer (TDR measurement using PC software control)
Reflected Pulse Risetime	≤ 200ps
System Bandwidth	1.75 GHz (derived from maximum risetime)
Output Impedance	50Ω (± 2%)
Pulse Amplitude	Nominal 300mV into 50Ω load
Calibration Method	Ratiometric measurement to calibrated precision internal 50Ω reference
Series Loss Compensation	0 – 5Ω/inch
Vp Compensation	0.33 – 0.99
Relay Life	2 x 10^6 operations/channel (typical)
Channels	CITS500s2 2 CITS500s4 4 CITS500s8 8