

## ACTIVE DIFFERENTIAL PROBES SERIES 8000

		TT-SI 8071				TT-SI 8110				
Bandwidth (-3dB)	70MHz	TT-SI 8050		70MHz	100MHz		TT-SI 8010A		70MHz	
		TT-SI 8051		100MHz			TT-SI 8010B		100MHz	
		TT-SI 8052		200MHz						
Rise Time	≤5ns	TT-SI 8050		≤5ns	≤3.5ns		TT-SI 8010A		≤5ns	
		TT-SI-8051		≤3,5ns			TT-SI 8010B		≤3,5ns	
		TT-SI 8052		≤1,75ns						
DC-Accuracy		±2%		±2%		±2%		±2%		
Attenuation Ratio		x10/x100		x50/x500		x100/x1000		x100/x1000		
Maximum Input Voltage Differential Mode (DC+Peak AC)	x10	±70V		x50	±150V		x100	±280V		
	x100	±700V		x500	±1500V		x1000	±2800V		
Maximum Input Voltage Common Mode (DC+Peak AC)		±700V		±1500V		±2800V		±7000V		
Maximum Input Voltage each Side to Ground (Vrms)		450V CAT II		600V CAT III		600V CAT III		1000V CAT III		
		600V		1000V CAT II		1000V CAT II		2300V		
Input Impedance	Single- Ended to Ground	2.5MΩ		5MΩ		5MΩ		20MΩ		
	Between Inputs	5MΩ		10MΩ		10MΩ		40MΩ		
Input Capacitance	Single- Ended to Ground	< 4pF		< 4pF		< 4pF		< 5pF		
	Between Inputs	< 2pF		< 2pF		< 2pF		< 2.5pF		
CMRR	DC	> 80dB		> 80dB		> 80dB		> 80dB		
	100kHz	> 60dB		> 60dB		> 60dB		> 60dB		
	1MHz	> 50dB		> 50dB		> 50dB		> 50dB		
Noise (Vrms)		x10	< 20mV		x50	< 50mV		x100	< 100mV	
		x100	< 120mV		x500	< 300mV		x1000	< 600mV	
Differential overvoltage detection level		x10	≥70V		x50	≥150V		x100	≥280V	
		x100	≥700V		x500	≥1500V		x1000	≥2800V	
Propagation Delay	Probe	approx. 9ns								
	BNC Cable	approx. 5ns								
Bandwidth Limit Filters		≥-3dB@5MHz								
Weight		230g								
Input Lead Length		28cm (17cm for TT-SI 8052)								
Automatic Save		Yes								
Offset Setting Function		Yes ( when set in test mode)								
Termination Load		≥100kΩ								
Power Supply		USB 5V/1A and 220V Adapter								
Safety standard		EN61010-031: 2015								