

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	
Input referred Noise		70V	< 20mV	150V	< 50mV	280V	< 100mV	700V	< 200mV
		700V	< 120mV	1500V	< 300mV	2800V	< 600mV	7000V	< 1.2V
Differential Overvoltage Detection Level		x10	≥70V	x50	≥150V	x100	≥280V	x100	≥700V
		x100	≥700V	x500	≥1500V	x1000	≥2800V	x1000	≥7000V
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							