

Precision FH Specs

HARDWARE SPECIFICATIONS	Voltage Test ±10.0 V	High Voltage Limit N/A	External Sensor Channels 1	Independent Voltage Sources 1					
MEASUREMENT SPECIFICATIONS	DRIVE DAC 14 bits	Output Voltage Resolution 1.22 mV	Min Pulse Width 200 ns	Min Rise Time @ 5V 200 ns	Maximum Internal Fatigue Frequency 5 MHz	External Fatigue No	Peak Output Current 80 mA	Max Hysteresis Frequency 2 MHz	Min Hysteresis Frequency 50 Hz
System Ranges:									
SYSTEM HARDWARE	RETURN ADC 14 bits	Integrator Voltage Range ±4.4 V	Sense Capacitors 1.05 nF, - 50 pF	Maximum Amplification 1	Minimum Amplification 1	Max Amplification w/ HVI 0.0000001			
MINIMUM MEASURABLE CHARGE	Integrator Voltage Divisions 16384	Minimum Sense Capacitance 1 nf	Minimum Voltage Resolution 540 μ V	Minimum Sense Cap Charge 26.9 fC	Correction for Amplification 26.9 fC				
MAXIMUM MEASURABLE CHARGE	Maximum Voltage Resolution ±4.4 V	Maximum Sense Capacitance 5.7 nf	Maximum Sense Cap Charge 4.6 nC	Correction for Amplification 4.6 nC	Range with Precision 10KV HVI N/A				