

RT66A Interface Specs

HARDWARE SPECIFICATIONS	Maximum Internal Voltage Test ±20V	High Voltage Limit ±4kV	External Sensor Channels 1	Independent Voltage Sources 1					
MEASUREMENT SPECIFICATIONS	DRIVE DAC 14 bits	Output Voltage Resolution ±2.44mV	Min Pulse Width 500µs	Min Measurement Rise Time @ 5V 500µs	Maximum Fatigue Frequency 20kHz	External Fatigue Yes	Peak Output Current 25mA	High Speed Hysteresis Frequency 200Hz	Low Speed Hysteresis Period 1.5s
System Ranges:									
SYSTEM HARDWARE	RETURN ADC 14 bits	Integrator Voltage Range 5V	Sense Capacitor 4.7 nF	Maximum Amplification 100	Minimum Amplification 0.005				
MINIMUM MEASUREABLE CHARGE	Integrator Voltage Divisions 16384	Minimum Sense Capacitance 1.0 nF	Minimum Voltage Resolution 610µV	Minimum Sense Cap Charge 2.9pC	Correction for Amplification 58fC				
MAXIMUM MEASURABLE CHARGE	Maximum Voltage Resolution ±5V	Maximum Sense Capacitance 5.7 nF	Maximum Sense Cap Charge 23.5nC	Correction for Amplification 4.7µC	Range with Precision RT66A HVI 470µC				