SI PAC1-73YY24001

ANALOG INPUT MODULE: 16 BITS

FEATURES

- Transient Protection: Meets the requirements of IEEE 472, “Surge Withstanding Capability Test”
- Optical Isolation
- 100 Samples Per Second
- 16 Bit Resolution
- Hot Swappable

TECHNICAL INFORMATION

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SPECIFICATION	TYPE: 4-20 mA INPUT PART NO. 73YY24000	TYPE: 1-5 VOLT INPUT PART NO. 73YY24001
Accuracy: full scale @ 25°C	±0.02% maximum	±0.25% maximum
Overall module drift	45 PPM/°C maximum	45 PPM/°C maximum
Resolution (including sign)	16 BIT	16 BIT
Input voltage or current range	4-20ma ±2.5% over/under range	1-5VDC ±2.5% over/under range
Input Impedance or loop resistance	100Ohm nominal	10 MOhms minimum
Common mode rejection	120 db minimum @ 60 Hz	120 db minimum @ 60 Hz
A/D Conversion Time	16.6 mS nominal	16.6 mS nominal
Insulation resistance input to output input or output to case	10^{10} Ohms minimum	10^{10} Ohms minimum
Output	Data Packet Scheme	
Dielectric strength input to output input to power supply	2500 VAC(RMS) minimum 2500 VAC(RMS) minimum	2500 VAC(RMS) minimum 2500 VAC(RMS) minimum
Operating temperature range	0°C TO +60°C	0°C TO +60°C
Vibration	20 G’s Peak or .06’ Double Amplitude 10-2000 Hz per Mil-Std-202, Method 204, Condition D	20 G’s Peak or .06’ Double Amplitude 10-2000 Hz per Mil-Std-202, Method 204, Condition D
Mechanical Shock	1500 G’s 0.5 mS Half-sine per Mil-Std-202, Method 213, Condition F	1500 G’s 0.5 mS Half-sine per Mil-Std-202, Method 213, Condition F
Storage Temperature Range	-25°C to +85°C	-25°C to +85°C
Weight	54 grams typical	54 grams typical

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