

# SCMXCJC

## Encapsulated Cold Junction Compensation

### Description

The SCMXCJC is the identical circuit used on the SCMPB01/02/03/04/05/06/07 backpanels except it is packaged as a component for use in customer designed mounting boards (Figure 22). When interfaced to an SCM5B37 or 47 module the transfer function of the voltage across the +SEN and -SEN pins is  $V_{CJC} = 0.510 - 0.0025 (T - 25)V$ .

### Specifications

Accuracy	+25°C	±0.25°C
	+5°C to +45°C	±0.5°C
	-40°C to +85°C	±1.25°C

# SCM5BPT

## Pass Thru Module

### Description

The SCM5BPT is a pass-through module used to establish a direct connection between an input signal and the SCM5B series backplane analog bus. It has unity gain and no isolation. It accepts up to ±10V input and provides up to ±10V output.

# SCM5BPT-1367

## Pass Thru Module with Switch

### Description

The SCM5BPT-1367 is a pass-through module used to establish a direct connection between an input signal and the SCM5B series backplane analog bus. It has unity gain, no isolation, and a logic controlled output switch which allows sharing of a common analog bus with other SCM5B modules. It accepts up to ±10V input and provides up to ±10V output. Resettable fuses and overvoltage protection circuitry protect computer-side electronics.

# SCMXJP-003

## Jumper Strap

### Description

Package of 10 jumpers for connecting adjacent input/output modules on the SCMPB01 backpanel. This connection is made if it is desired to direct the output of any input module to the input of an adjacent output module. The jumpers can also be used for configuring I/O addresses on the SCMPB02 backpanel.

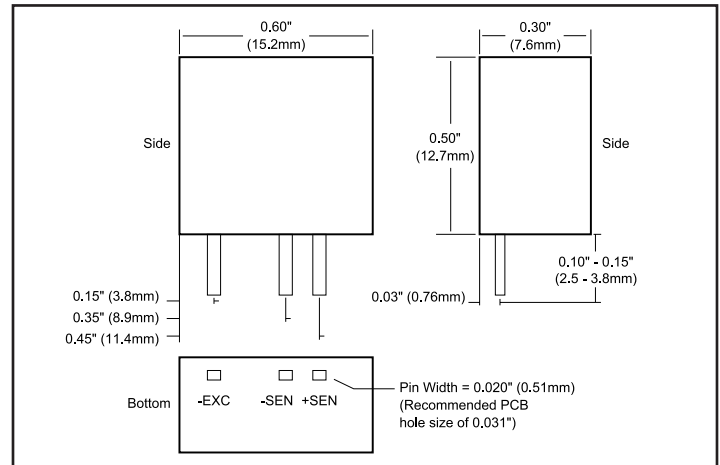


Figure 22: SCMXCJC Physical Dimensions and Pin Layout

# SCMXR1

## Current Conversion Resistor

### Description

A precision 20Ω, 0.1%, 10ppm/°C resistor used with the SCM5B32 current input module or SCM5B42 two-wire transmitter interface module (Figure 23). Sockets are provided on the SCMPB01/02/03/04/05/06/07 and SCMXEV backpanels to allow installation of this resistor. One SCMXR1 is shipped with each SCM5B32 or SCM5B42 module.

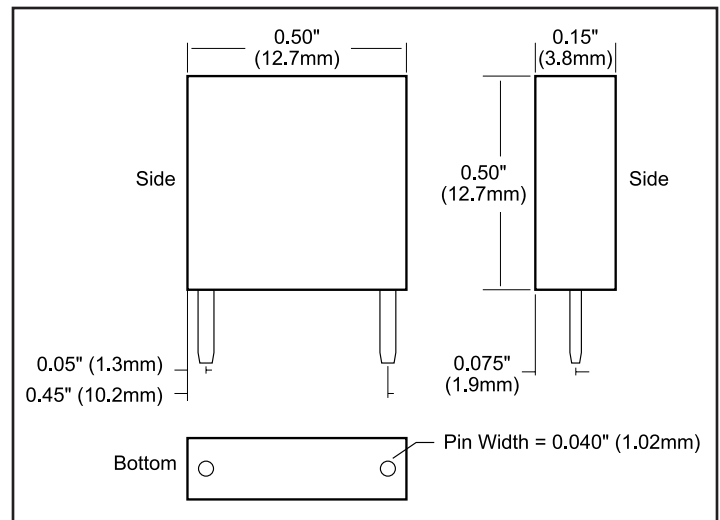


Figure 23: SCMXR1 Physical Dimensions