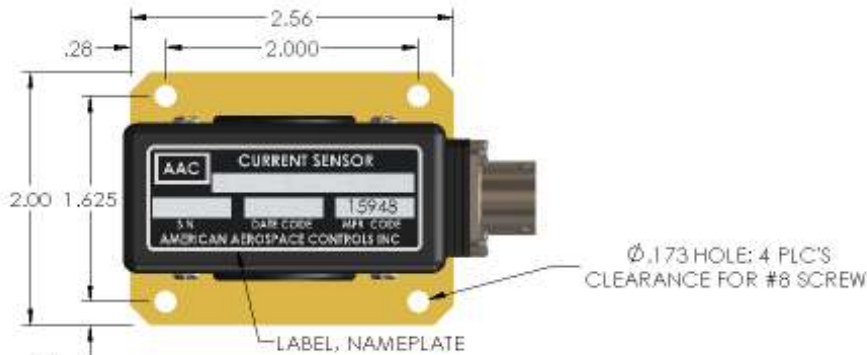


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010

**BIDIRECTIONAL CURRENT TRANSDUCER  
SERIES S273**



ADD "-C" TO PART NO. CONNECTOR PART NO. PT02E-10-6P-023 PT02E-10-6P OR EQUIV.  
 ADD "-B" TO PART NO. BARRIER DETAILS SEE DWG. 700-702

PART NO.	INPUT CURRENT	ACCURACY	TEMPERATURE COEFFICIENT	CURRENT DRAIN
S273-25	0 to ±25A	1%	0.04%	45
S273-50	0 to ±50A	1%	0.03%	60
S273-100	0 to ±100A	0.5%	0.02%	60
S273-150	0 to ±150A	0.5%	0.02%	60
S273-200	0 to ±200A	0.5%	0.02%	70
S273-250	0 to ±250A	0.5%	0.02%	80
S273-300	0 to ±300A	0.5%	0.02%	90
S273-350	0 to ±350A	0.5%	0.02%	90

**OUTPUT**

VOLTAGE SIGNAL	0 to ±5Vdc FS (Full Scale)
ACCURACY	% FS See Table
di/dt ACCURATELY FOLLOWED	Better than 50A/u-sec.
DELAY TIME	Better than 1u-sec.
BANDWIDTH	DC to 100KHz
IMPEDANCE	10 ohms max.
LOAD	5K ohms min.
TEMPERATURE COEFFICIENT	FS/°C max. See Table

**POWER SUPPLY**

SUPPLY VOLTAGE	±15Vdc ±1Vdc
CURRENT DRAIN	mAdc max. See Table
REVERSE POLARITY PROTECTION	10µA max. current drain no damage.

**ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS**

OPERATING TEMPERATURE	-55° to +85°C
STORAGE TEMPERATURE	-55° to +85°C
OPERATING HUMIDITY	0% to 95% RH
MOISTURE RESISTANCE	Will meet Method 106 of MIL-STD-202 & Method 507.1, Procedure I of MIL-STD-810
ALTITUDE	Operating: Sea level to 60,000 ft. Non-operating: Sea level to 120,000 ft. (Method 105, Condition A of MIL-STD-202)
SHOCK	Non-operating: 50g, 11m-sec half sine pulse (Method 213, Condition A of MIL-STD-202)
VIBRATION	Non-operating: 0.06 in. D.A., 10 to 55Hz (Method 201 of MIL-STD-202)
DIELECTRIC STRENGTH	350V RMS dielectric withstanding voltage (Method 301 of MIL-STD-202)
INSULATION RESISTANCE	10M-Ohms min. (Method 302, Condition A of MIL-STD-202)
ATTITUDE	Unit will perform as specified when mounted in any position.
WEIGHT	14 oz. max.

**TERMINAL IDENTIFICATION**

A.	SUPPLY VOLTAGE (+)
B.	SUPPLY VOLTAGE (-)
C.	SUPPLY VOLTAGE (RTN)
D.	OUTPUT SIGNAL (RTN)
E.	OUTPUT SIGNAL (+)
F.	CASE GROUND

<b>AAC</b>	<b>Drawing Number</b>	<b>Rev.</b>
	<b>700-S273-925</b>	<b>N</b>