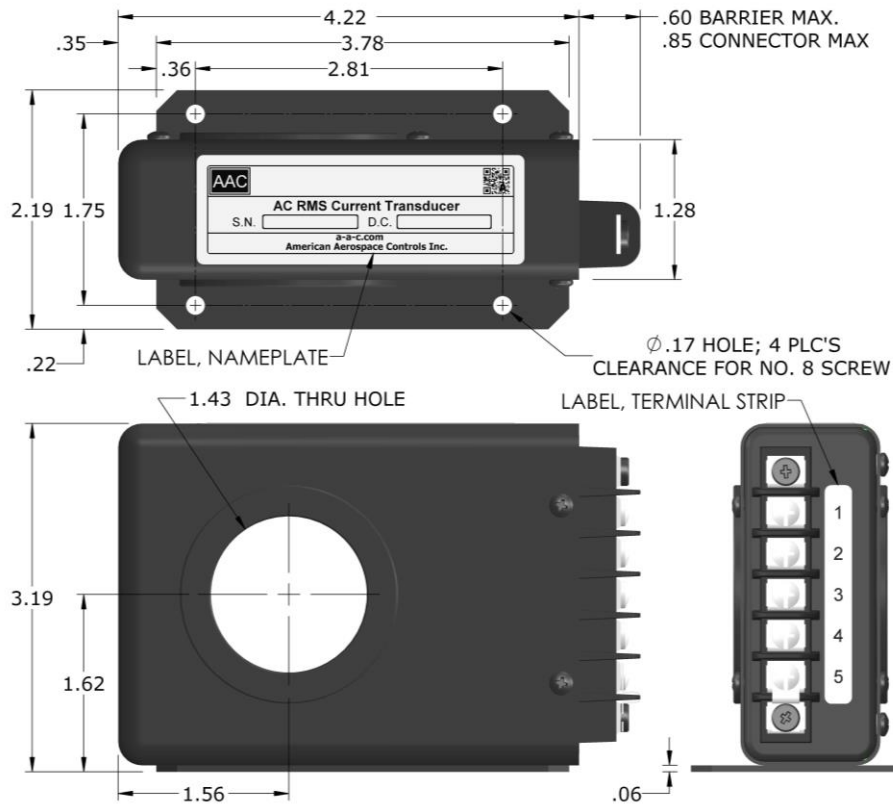


Dimensions in Inches, Tolerances: .XX ± .03 .XXX ± .010



## AC RMS CURRENT TRANSDUCER SERIES S714

PART NUMBER	CURRENT RANGE	PART NUMBER	CURRENT RANGE
S714-5	0 to 5	S714-150	0 to 150
S714-10	0 to 10	S714-200	0 to 200
S714-20	0 to 20	S714-250	0 to 250
S714-25	0 to 25	S714-300	0 to 300
S714-50	0 to 50	S714-400	0 to 400
S714-75	0 to 75	S714-500	0 to 500
S714-100	0 to 100	S714-600	0 to 600

### INPUT RANGE

CURRENT RANGE	See Table Aac FS (Full Scale)
CURRENT OVERLOAD CONTINUOUS	500Aac or two X FS which is greater
FREQUENCY RANGE	360 TO 440 Hz (60Hz Models available)

### OUTPUT

VOLTAGE SIGNAL	0 to +5Vdc FS
ACCURACY	±0.5% FS
LINEARITY	±0.20% FS
RESPONSE TIME (10 TO 90%)	200ms max.
CREST FACTOR	Up to 4
OUTPUT IMPEDANCE	10 Ohms max.
OUTPUT RIPPLE	5mV RMS max.
OUTPUT LOAD	10K Ohms min.
SHORT CIRCUIT	Protected
TEMPERATURE COEFFICIENT	±0.01% FS/°C max.

### POWER SUPPLY

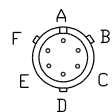
SUPPLY VOLTAGE	+14 TO +32Vdc
TRANSIENT PROTECTION	±60V (t<100ms)
CURRENT DRAIN	10mA max.
REVERSE POLARITY PROTECTION	100µA max current drain without damage

### ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS

OPERATING TEMPERATURE	-40° 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, Proc. 1 of MIL-STD-810
ALTITUDE	Operating: Sea level to 70,000 ft.
RANDOM VIBRATION (Operating)	MIL-STD-810F, Proc.1,Cat.12, WO=.095G2/Hz, Time1 hr, Fig. 514.5C-8 Overall level 12.G- RMS
DIELECTRIC STRENGTH	350V RMS terminals 1-4 to 5 & case
INSULATION RESISTANCE	100 M-Ohms min.
ATTITUDE	Unit will perform as specified when mounted in any position.
SHOCK	Operating: 50g, 11 m-sec half sine pulse Method 213 Condition A of MIL-STD-202.
WEIGHT	1.6 lbs. max.

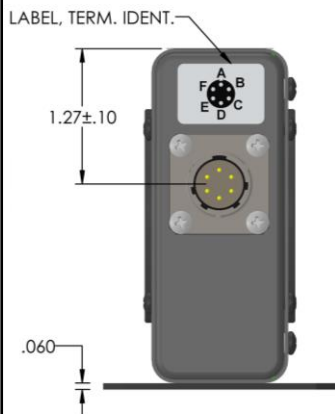
### ORDERING INFORMATION

S714	-	10	-	C
SERIES		CURRENT RANGE		TERMINATION
				Blank: Barrier
				C: Connector



### CONNECTOR OPTION TERMINAL IDENTIFICATION

ADD "-C" TO MODEL NO.	1- A. SUPPLY VOLTAGE (+)
CONNECTOR P/N PT02E-10-6P-023 OR EQUIV.	2- B. SUPPLY (RTN)
MATING CONNECTOR PT06A-10-6S-424 OR EQUIV.	3- C. OUTPUT SIGNAL (+)
	4- D. OUTPUT (RTN)
	5- E. CASE GROUND
	F. SPARE



MOLDED TERMINAL BLOCK WITH 6-32 TERMINAL SCREWS, 3/8 IN. CENTER TO CENTER SPACING. ACCEPTS WIRE SIZES TO 14 AWG AND WIRE LUGS UP TO 9/32 IN. WIDE.

<b>AAC</b>	<b>Drawing Number</b> <b>S714-1006</b>	<b>Rev.</b> <b>F</b>
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