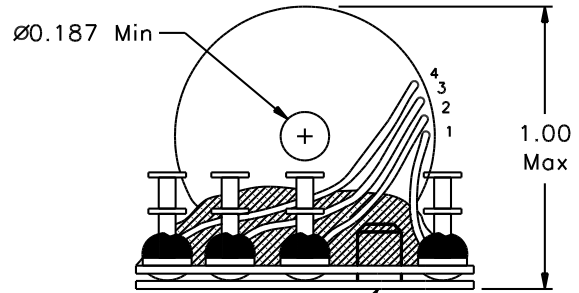
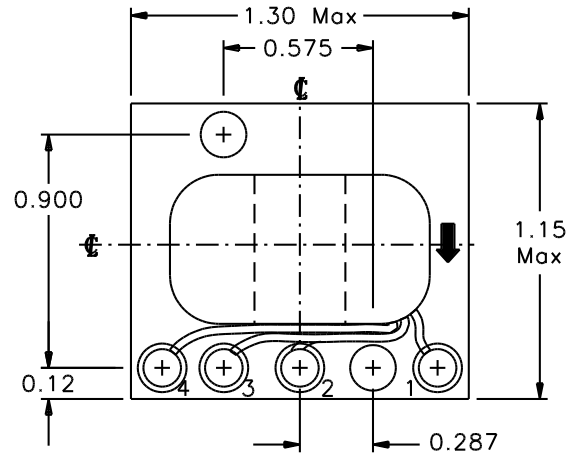


REVISIONS			
REV.	DESCRIPTION	DATE	BY



2X 4-40 AL Insert
5 Full Thds, Min

Black Arrow denotes direction of current flow.

Classification

MIL-PRF-27 Grade: 6
 MIL-PRF-27 Class: S (130° C)
 Maximum Ambient Temperature: 105° C

MIL-STD-981 Quality Assurance Provisions

Class	Description	Drawing Number ¹
C	Commercial Parts	33047-30
B	Group A Inspection	33047-31B
E	Group A Inspection	33047-31S
S	Group A Inspection	33047-31S and
	Group B Inspection	33047-85

¹ The germane data will ship with the hardware.

Electrical Characteristics

DC Resistance: (1 - 2) = 150 Ω Maximum
 (3 - 4) = 92 Ω Maximum

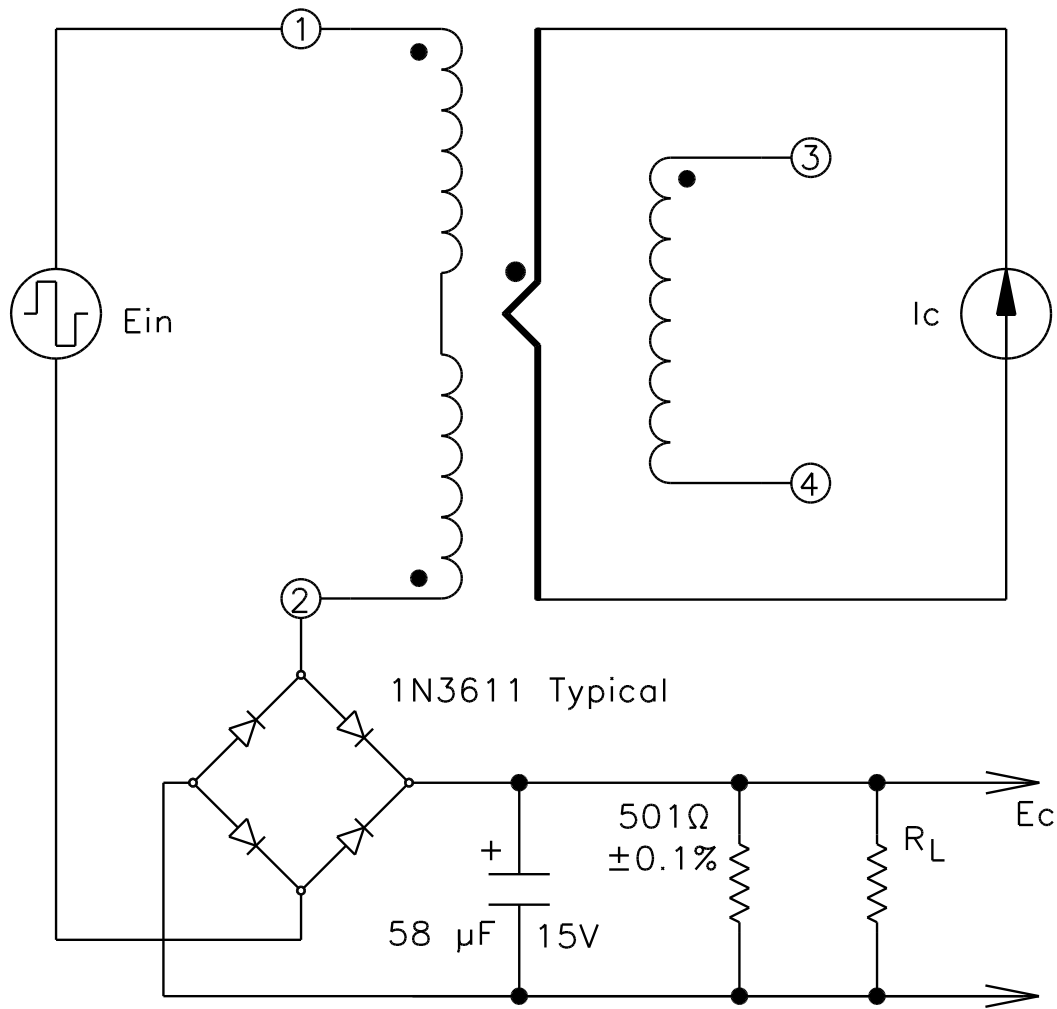
Volt-Seconds: (1 - 2) = 4.0 mV-Sec Minimum, measured at 3000 Hz, I_{pk} = 100 mA ± 10%, R_s = 20Ω

Transfer Characteristics: Per Sheet 2

LOAD CONDITIONS	
E (1 - 2) = 20V _{RMS} , 3000 Hz	P _{TOTAL} < 0.8W

These Parts Are Manufactured in Strict Compliance to MIL-STD-981.

The "X" in the part number refers to the Quality Level (C, B, E, or S), see Quality Assurance Provisions above.	UNLESS OTHERWISE SPECIFIED: Dimensions are in inches, and tolerances are:		COAST/ACM		
	Fractions	Decimals	Angles	TITLE Transformer, Current Monitor	
	±1/64	.X = ±0.1 .XX = ±0.02 .XXX = ±0.010	±5°	FSCM 22558	DWG. NO 33047X
DO NOT SCALE DRAWING	DRAWN BY Jim Allen	DATE 09/26/03	SCALE: none	MAX. WT.: 20 grams	SHEET 1 OF 1



Transfer Characteristics:

Set $E_{in} = 20\text{ V}$ (peak Square Wave) at 3000 Hz

I_c (A)	E_c (V)
0	0 - 0.065
+10	1.246 - 1.298
+20	2.493 - 2.595
+30	3.715 - 3.867
+40	4.918 - 5.120

Note: Winding 3 - 4 has no connections

Route I_c cable > 6" from core, before and after going through the core.

Select and record the value of R_L for best transfer characteristics curve from the following values:

487Ω, 499Ω, 511Ω, 523Ω, 536Ω, 549Ω, 562Ω, 576Ω, 590Ω

UNLESS OTHERWISE SPECIFIED:
Dimensions are in inches, and
tolerances are:

Fractions	Decimals	Angles
$\pm 1/64$.XX = ± 0.03 .XXX = ± 0.010	$\pm 5^\circ$

DRAWN BY

DATE

COAST/ACM

TITLE

Power Transformer

FSCM

DWG. NO

22558

33047X

DO NOT SCALE

Jim Allen

09/26/03

SCALE: none

SHEET 2 OF 2