

REVISIONS			
REV.	DESCRIPTION	DATE	BY

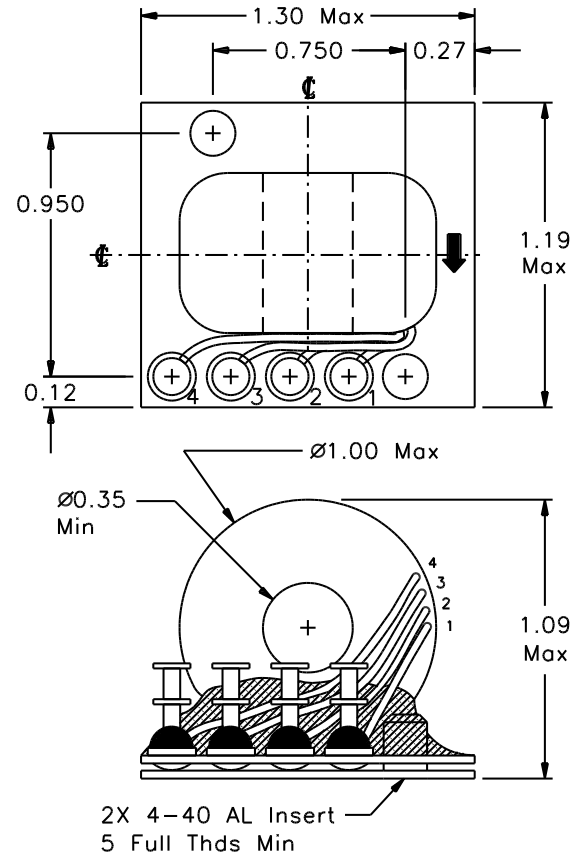
LOAD CONDITIONS
 E (1 - 2) = 20V_{RMS}, 2000 Hz P_{TOTAL} < 0.8W

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	33046-30
B	Group A Inspection	33046-31B
E	Group A Inspection	33046-31S
S	Group A Inspection	33046-31S and
	Group B Inspection	33046-85

¹ The germane data will ship with the hardware.



Black Arrow denotes direction of current flow.

Electrical Characteristics

DC Resistance: (1 - 2) = 190 Ω Maximum
 (3 - 4) = 100 Ω Maximum

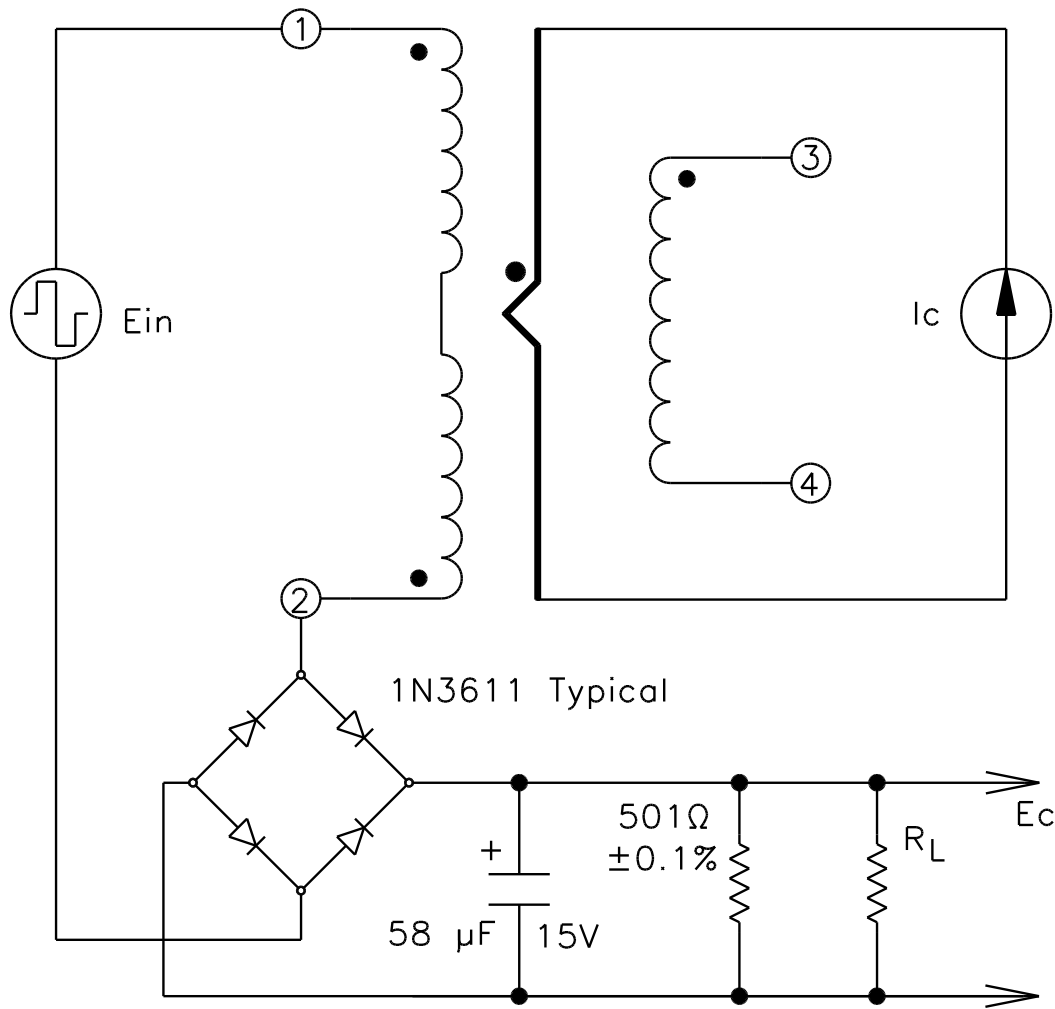
Volt-Seconds: (1 - 2) = 10 mV-Sec Minimum, measured at 1500 Hz, I_{pk} = 100 mA ± 10%, R_s = 20Ω

Core Matching: Evidence of core matching per 33046-94 shall accompany each shipment

Transfer Characteristics: Per Sheet 2

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 33046X
DO NOT SCALE DRAWING	DRAWN BY Jim Allen	DATE 09/24/03	SCALE: none	MAX. WT.: 25 grams	SHEET 1 OF 1



Transfer Characteristics:

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

Note: Winding 3 - 4 has no connections

Route one turn 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:

185Ω, 187Ω, 189Ω, 190Ω, 192Ω, 194Ω, 196Ω, 198Ω, 200Ω, or 202Ω

I_c (A)	E_c (V)
0	0 - 0.020
+10	0.622 - 0.660
+20	1.261 - 1.339
+30	1.894 - 2.012
+40	2.518 - 2.674
+50	3.114 - 3.306
+60	3.719 - 3.949
+70	4.298 - 4.564
+80	4.850 - 5.150

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

Fractions ±1/64	Decimals .XX = ±0.03 .XXX = ±0.010	Angles ±5°
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DRAWN BY

DATE

Jim Allen

09/24/03

COAST/ACM

TITLE

Power Transformer

FSCM

DWG. NO

22558

33046X

DO NOT SCALE

SCALE: none

SHEET 2 OF 2