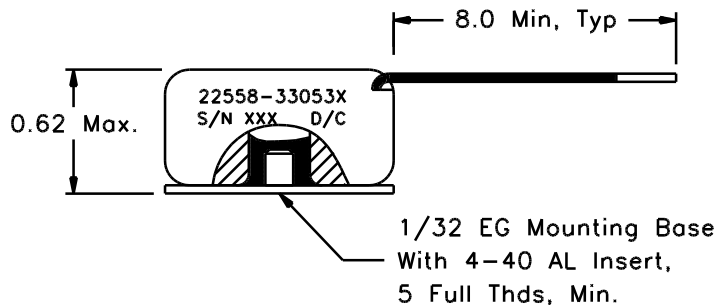
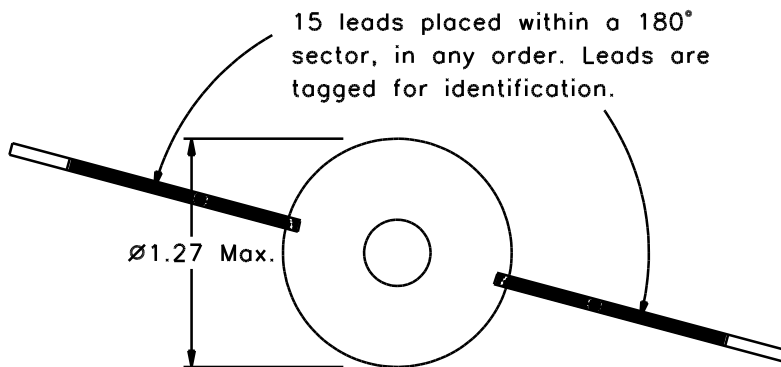


REVISIONS			
REV.	DESCRIPTION	DATE	BY

Leads 1 & 2, Self Leads, Lead 3 AWG #22 Flex Lead
Leads 4 - 20 AWG #24 Flex leads.



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	33053-30
B	Group A Inspection	33053-31B
E	Group A Inspection	33053-31S
S	Group A Inspection Group B Inspection	33053-31S and 33053-85

¹ The germane data will ship with the hardware.

Maximum Operating Load Conditions	
E(1 - 2) = 14.3V _{RMS} , 5000 Hz	
P(3 - 4) = 1.0 W P(5 - 3) = 1.0 W P(7 - 8) = 0.2 W	
P(3 - 10) = 3.0 W P(3 - 12) = 7.0 W P(3 - 13) = 7.0 W	
P(15 - 16) = 0.6 W P(15 - 17) = 0.6 W P(19 - 20) = 0.0 W	
P _{TOTAL} = 48.2 W	

See Sheet 2 for Electrical Characteristics

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 ±1/64	Decimals .XX = ±0.03 .XXX = ±0.010	Angles ±1/2°	TITLE Power Transformer	
	DRAWN BY Jim Allen		DATE 4/9/04	FSCM 22558	DWG. NO 33053X
DO NOT SCALE DRAWING			SCALE: none	MAX. WT.: 55 grams	SHEET 1 OF 2

Electrical Characteristics

DC Resistance (Maximim)

(1 - 2) = 0.16 Ω
 (3 - 4) = 0.95 Ω
 (3 - 5) = 0.95 Ω
 (7 - 8) = 0.55 Ω
 (3 - 10) = 0.095 Ω
 (3 - 12) = 0.75 Ω
 (3 - 13) = 0.75 Ω
 (15 - 16) = 10.0 Ω
 (15 - 17) = 10.0 Ω
 (19 - 20) = 0.52 Ω

Ratio and Polarity:

3 - 4/1 - 2 = 0.938 ± 0.007
 5 - 3/1 - 2 = 0.938 ± 0.007
 7 - 8/1 - 2 = 0.750 ± 0.006
 3 - 10/1 - 2 = 0.406 ± 0.003
 (2+3) 3 - 12/1 - 12 = 0.592 ± 0.003
 (2+13) 13 - 3/1 - 3 = 0.592 ± 0.003
 (2+15) 15 - 16/1 - 16 = 0.710 ± 0.004
 (2+17) 17 - 15/1 - 15 = 0.710 ± 0.004
 19 - 20/1 - 2 = 0.234 ± 0.002

Inductance (1 - 2), (measured at 1.0 V, 10 kHz):

368 μH ± 10% at I_{DC} = 0 A
 328 μH Minimum at I_{DC} = 0.4 A
 250 μH Minimum at I_{DC} = 2.0 A

Leakage Inductance (1 - 2):

<u>μH Maximum</u>	<u>Short</u>
8.0	3 - 4
8.0	3 - 5
8.0	7 - 8
10.0	3 - 10
12.0	3 - 12
12.0	3 - 13
8.0	15 - 16
8.0	15 - 17
80.0	19 - 20

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

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

COAST/ACM

TITLE

Power Transformer

FSCM

22558

DWG. NO

33053X

DRAWN BY

Jim Allen

DATE

04/09/04

DO NOT SCALE

SCALE: none

SHEET 2 OF 2