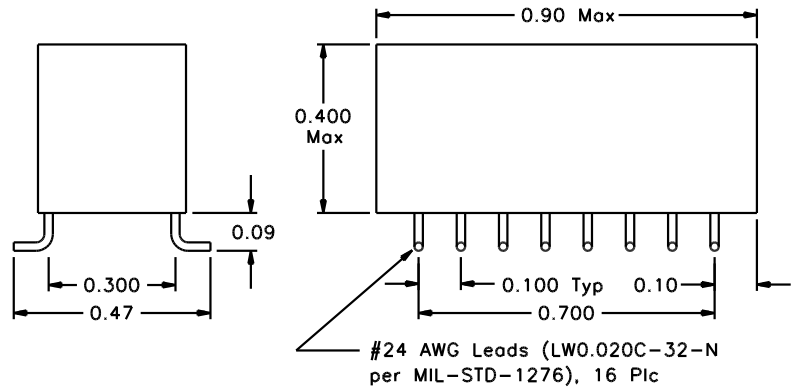
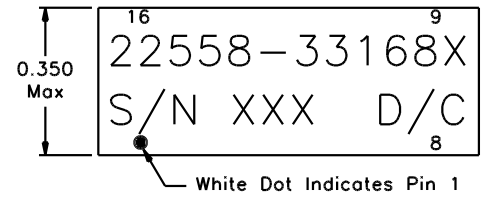


REVISIONS			
REV.	DESCRIPTION	DATE	BY



**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 <sup>1</sup>
C	Commercial Parts	33168-30
B	Group A Inspection	33168-31B
E	Group A Inspection	33168-31S
S	Group A Inspection	33168-31S and
	Group B Inspection	33168-85

<sup>1</sup> The germane data will ship with the hardware.

**LOAD CONDITIONS**  
 E (1 - 16) & (8 - 9) = 0.265V<sub>RMS</sub> at 32 kHz  
 E (4 - 12) & (5 - 12) = 0.795 V<sub>RMS</sub> at 32 kHz  
 P<sub>TOTAL</sub> < 0.8W

**Electrical Characteristics**

DC Resistance: (1 - 16) = 0.6 Ω (3 - 15) = 0.3 Ω (14 - 3) = 0.7 Ω (11 - 6) = 0.7 Ω (7 - 13) = 0.3 Ω  
 (Maximum) (2 - 13) = 0.3 Ω (12 - 4) = 0.6 Ω (12 - 5) = 0.6 Ω (8 - 9) = 0.6 Ω (6 - 10) = 0.3 Ω

Inductance at 10 mV, 100kHz (±25%): (1 - 16) = 1.3 mH (8 - 9) = 1.3 mH (12 - 4) = 960 μH (12 - 5) = 960 μH

Leakage Inductance: (1 - 2) = 1.0 μH (8 - 9) = 1.0 μH (12 - 4) = 250 nH (12 - 5) = 250 nH  
 (Maximum) Short: 2 - 13 & 3 - 15 7 - 13 & 6 - 10 14 - 3 11 - 6

(Continued on 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:		<b>COAST/ACM</b>			
	Fractions	Decimals	Angles	TITLE <b>Transformer, Pulse</b>		
	±1/64	.X = ±0.1 .XX = ±0.02 .XXX = ±0.010	±5°	FSCM <b>22558</b>	DWG. NO <b>33168X</b>	REV.
DO NOT SCALE DRAWING	DRAWN BY Jim Allen	DATE 06/18/04	SCALE: none	MAX. WT.: 5 grams	SHEET 1 OF 2	

Electrical Characteristics (Continued)

Magnetizing Current: (1 - 16) & (8 - 9) (per Figure 1) = 4 mA Pk, (6 mA Pk at -25°C and +100°C)  
 (Maximum) (12 - 4) & (12 - 5) (per Figure 2) = 100 mA Pk, (150 mA Pk at -25°C and 75 mA Pk at 100°C)

Common Mode Rejection (CMR): (per Figure 3), 45 dB Minimum

Ratio & Polarity: 2 - 13/1 - 16 = 0.333      7 - 13/8 - 9 = 0.333      12 - 4/14 - 3 = 0.750  
 (± 2%)      3 - 15/1 - 16 = 0.333      6 - 10/8 - 9 = 0.333      12 - 5/11 - 6 = 0.750

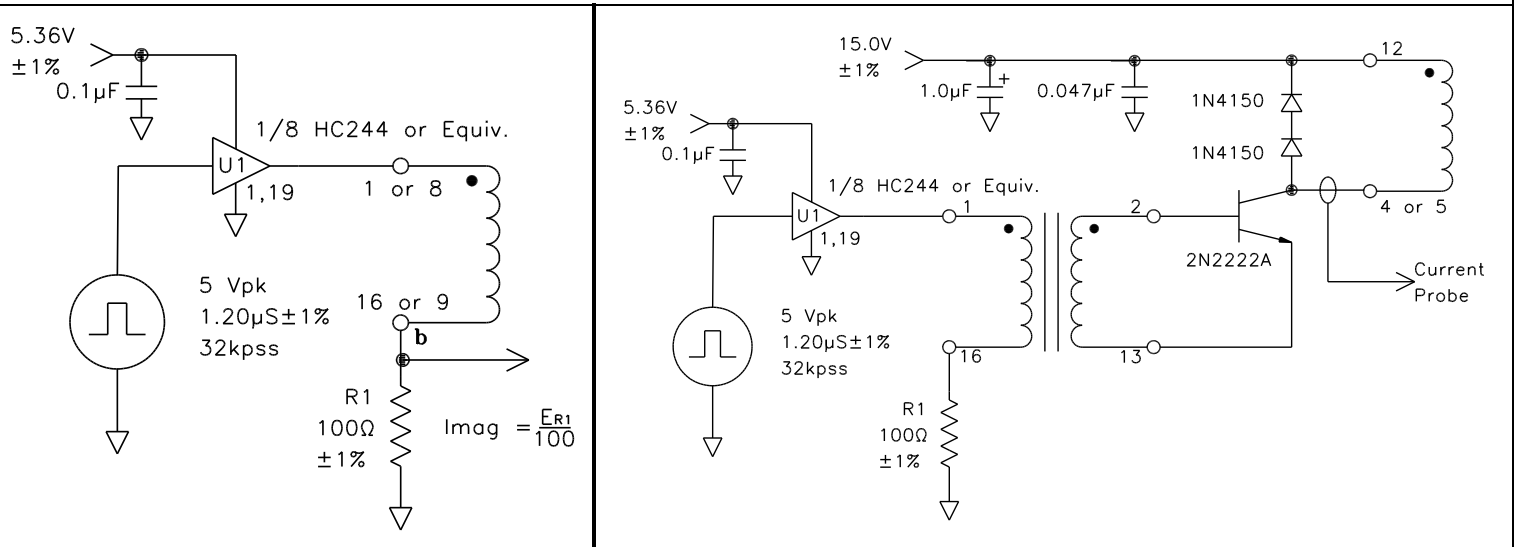


Figure 1

Figure 2

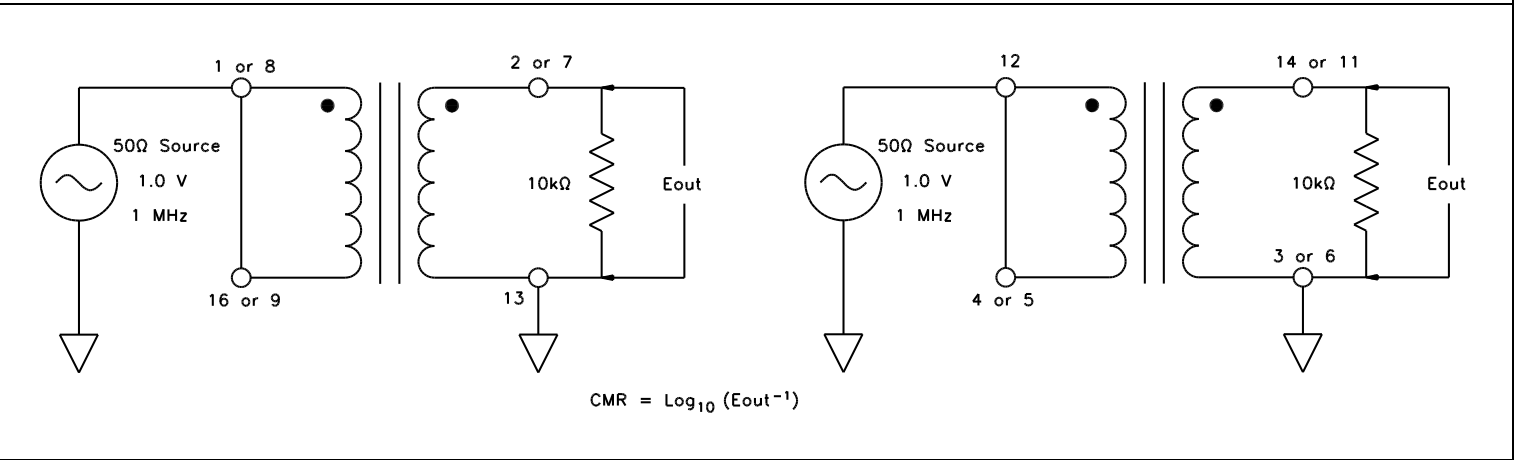


Figure 3

UNLESS OTHERWISE SPECIFIED: Dimensions are in inches, and tolerances are:  Fractions      Decimals      Angles ±1/64      .XX = ±0.03      ±5° .XXX = ±0.010	<b>COAST/ACM</b>	
	TITLE	
	<b>Transformer, Pulse</b>	
	FSCM	DWG. NO
DRAWN BY	DATE	33168X
22558	06/18/04	SCALE: none
DO NOT SCALE DRAWING	Jim Allen	SHEET 2 OF 2