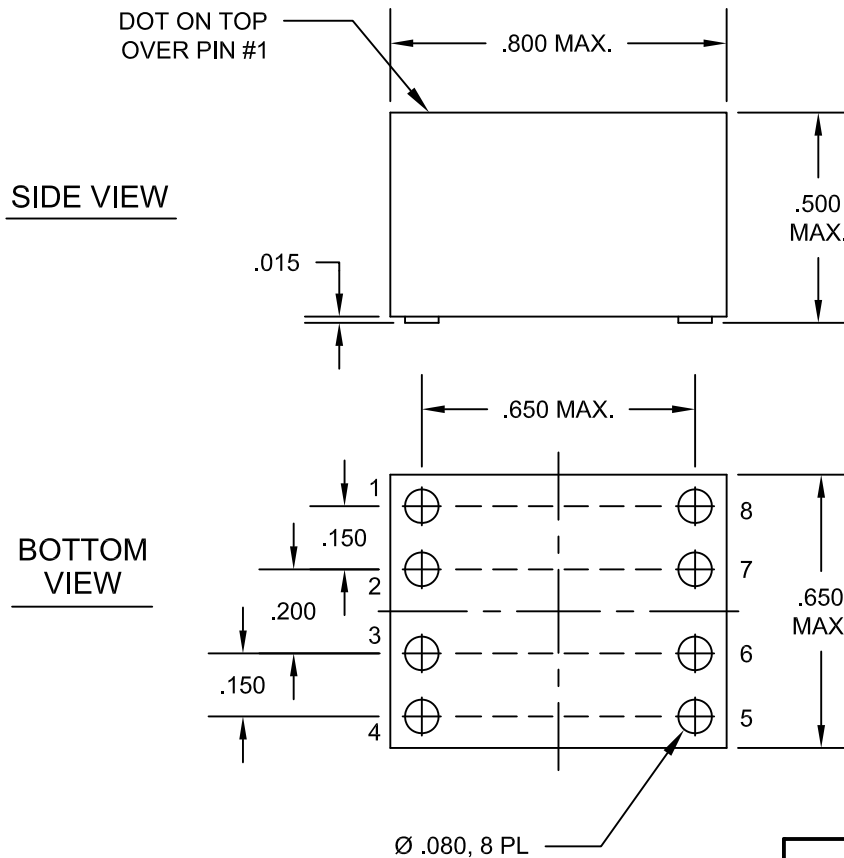


DIMENSIONS : INCHES



MARKING :

VE  
105883AK-X  
DATE CODE  
(INK or LASER  
ETCH MARKING)

**MIL-STD-981**

**105883AK-1: ENGINEERING UNIT**  
**105883AK-2: FLIGHT UNIT**

**ELECTRICAL @ 25°C :**

INDUCTANCE : @ 500 KHZ, 0.1 VRMS

(1 - 2) = 3.30 uH ± 5%

LEAKAGE INDUCTANCE : @ 500 KHZ, 0.1 VRMS WITH 3, 4, 5, 6 SHORTED

(1 - 2) = 0.5 uH MAX.

URNS RATIO : (1 - 2) : (3 - 4) : (5 - 6) = 1 : 1 : 1

DCR : (1 - 2), (5 - 6) = 6 mOHMS TYP.

(3 - 4) = 100 mOHMS TYP.

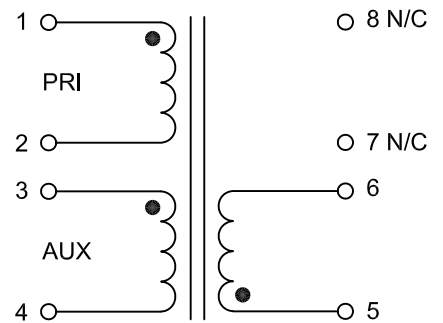
DWV : 1000 VAC, (3 - 4) TO OTHER WINDINGS

500 VAC, BETWEEN OTHER WINDINGS

MATERIAL THERMAL CLASS : 155°C

WEIGHT : 10 GRAMS TYP.


**SCHEMATIC**



**VANGUARD  
PROPRIETARY**

Tolerance unless otherwise specified .XXX±.010 .XX±.03

(PC 265)

CHKD.	J.R. 2/20/17	 <p><b>OUTLINE DRAWING FOR REFERENCE ONLY</b></p> <p><b>VANGUARD ELECTRONICS</b></p> <p>FLYBACK TRANSFORMER, 1 : 1 : 1, 500 KHZ</p>	INTERSIL
	APVD.		VE P/N : 105883AK-X REV. 2

REV. 1 : INITIAL RELEASE. 2/20/17 J.R.

REV. 2 : CHANGED INDUCTANCE FROM 100 KHZ TO 500 KHZ. 2/21/17 J.R.