

PROPRIETARY DATA:
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NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIALS: UL RECOGNIZED 94V-2 FLAMMABILITY RATING CLASS B (130°C) REQUIRED.

1.1 CORE: TOROID, $\mu = 5000$

MAGNETICS: ZJ-43806-TC OR

PERMACOR: 87-9040-26 OR

SHANGHAI SUPER LIGHT ELECTRONICS COMPONENTS LTD.

P/N: T38X19X6.35-C. MATERIAL R5K (CAN BE USED IF ROHS COMPLIANT)

1.2 WIRE: UL RECOGNIZED 130°C MINIMUM RATING MAGNET WIRE. APPROVED MFR: ESSEX
OTHER MFR HAS TO BE ROHS COMPLIANT CERTIFIED BEFORE USE.

1.3 OUTER WRAP: 3M #69 OR #1350F, OR SAINT-GOBAIN #M706.

1.4 MATERIAL CERTIFICATE OF COMPLIANCE REQUIRED.

2. SPECIFICATIONS:

2.1 $L = 82 \mu\text{H}$ MIN/COIL (1 KHZ, $<1\text{Vrms}$)

2.2 DCR = 0.6 MOHMS MAX/COIL

2.3 POWER LOSS = 4.3 W MAX @ 60A/COIL

2.4 HI-POT TEST COIL TO COIL, 250VDC TO INSURE INTEGRITY OF WINDING
INSULATION COVERING HAS NOT BEEN BREACHED.

3. CONSTRUCTION:

3.1 WIND COILS EVENLY SPACED (NOTE POLARITY)

3.2 REMOVE INSULATION AND TIN LEADS APPROX FLUSH WITH THE COIL AS SHOWN
(I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE.

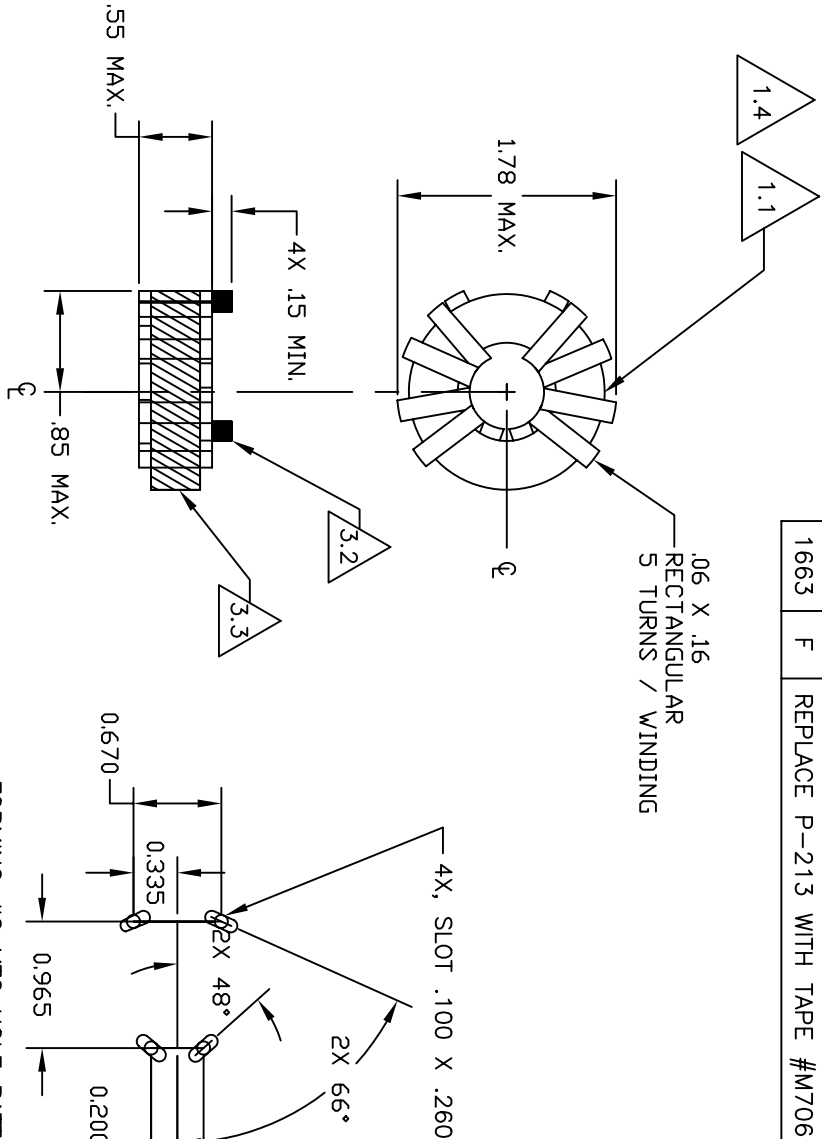
3.3 WRAP INDUCTOR WITH TAPE, (PER NOTE 1.3). MARK PART NUMBER AND REVISION
IN (BLACK) APPROX. WHERE SHOWN, USING A PERMANENT MARKING METHOD.

3.4 COIL LEADS MUST FUNCTION FIT INTO A JIG MADE PER THE DIMENSIONS SHOWN
ON "FORMING JIG MTG HOLE PATTERN" TO INSURE PROPER POSITION AND ANGLE.

DWG NO. 36-00029-07


SH 1 REV F

REVISIONS			
ECO	REV	DESCRIPTION	APPROVED
687	A	CHANGED MATERIAL	RBD
730	B	CHG: NOTE 2.1 , WAS: L = 88 μH .	RBD
1023	C	CHG: NOTES 2.1, & 3.3 PER ECO	RBD
---	C1	ADD PERMACORE 87-9040-26	RBD
---	C2	CERT. OF COMPLIANCE CHANGES	RO
1417	C3	ADD SOURCE SHANGHAI SUPER ELECT	RBD
1462	D	ADDED ROHS SPEC NOTE	LGK
1543	E	TAPE # 1350F WAS # 1298	LGK
1663	F	REPLACE P-213 WITH TAPE #M706	LGK



FORMING JIG MTG HOLE PATTERN
TOL.: $\pm .005$ SCALE: 1/1

NOTE: CERTIFICATION OF MATERIAL COMPLIANCE REQUIRED.
COMPLETED ASSEMBLY MUST BE (ROHS) COMPLIANT
PER VICOR SPEC CST-0001.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		CONTRACT NO. -- --		<div> WESTCOR a division of VICOR Corp.</div> <div>IND COMMON MODE 110uH 60A</div>					
		FRACTIONS ± --- .XX ± .05 .XXX ± .020		DECIMALS ± 3°						ANGLES	
		MATERIAL		APPROVALS		DATE		IND COMMON MODE 110uH 60A			
		SEE NOTES		DRAWN M.E. ITURRALDE		12/3/96					
		FINISH		CHECKED L.KING		7/25/97					
---		SEE MIS		APPROVED R.B.DRABING		7/25/97					
NEXT ASSY		USED ON		DESIGNED R.CABALLERO		12/03/96					
APPLICATION		DO NOT SCALE DRAWING		SCALE		NTS		FILENAME36-00029-07.DWG		SHEET 1 OF 1	