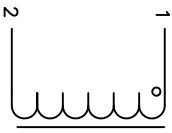
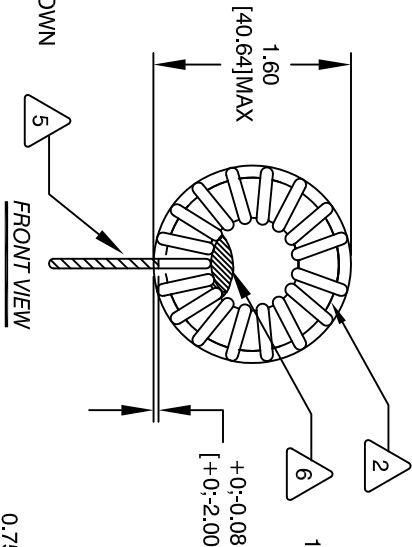
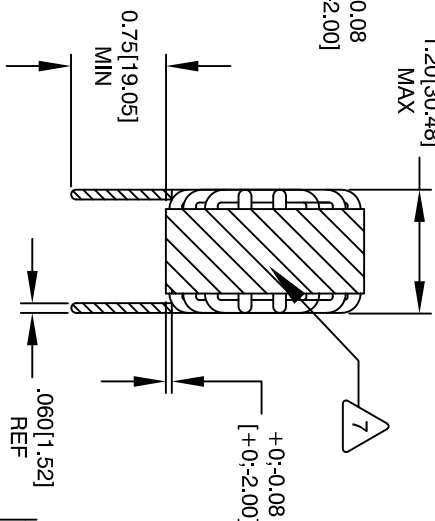




- 8 BUILD TO ROHS COMPLIANCE AND LEAD FREE
LABEL PART NUMBER AND REVISION
WRAP INDUCTOR WITH GLASS TAPE
- 7 VARNISH PART AND CURE BY AIR DRY
APPLY EPOXY TO HOLD LEADS INSIDE THE COIL AS SHOWN
TO THE CORE.
MUST REST FLAT ON PCB, LEADS MUST BE TANGENT
FLUSH WITH THE COIL EDGE, AS SHOWN (I.E. COIL
REMOVE INSULATION AND TIN LEADS 0.75 INCH
- 6 WIND COIL EVENLY SPACED AROUND THE CORE
CONSTRUCTION:
WEIGHT: 136 GRAMS TYPICAL
HI-POT TEST FOR WINDING TO CORE ISOLATION = 500 VDC MIN
OPERATING TEMP. RANGE = -40°C TO 155°C
CURRENT RATING : 8 AMPS, 40 °C TEMP. RISE WITH SOME AIR FLOW
INTERWINDING CAPACITANCE = 40pF TYP @ SRF
|Z| = 20.5KΩ-OHMS TYP. @ SRF
SRF = 1.05MHz TYPICAL
DCR = 40.0 MILLI-OHMS MAX.
INDUCTANCE @ DC BIAS: SEE TABLE ON THE RIGHT.
INDUCTANCE = 600 uH ±15% @ 0A DC BIAS, 1 KHz, 250mV
SPECIFICATIONS:
- 5 WIRE: UL RECOGNIZED 180°C RATED MAGNET WIRE or HIGHER
CORE: POWDERED TOROIDAL CORE
- 2 VARNISH BC-346 OR EQUIVALENT
RATING CLASS H (180°C MIN.) REQUIRED
MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY
ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.
"TYP" IN DIM. TOL. REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT
NOTES: UNLESS OTHERWISE SPECIFIED, READ NOTES FROM BOTTOM UP.
CAGE CODE: 5DME2



SCHEMATIC



DC BIAS TABLE	
DC BIAS (AMP)	L@1KHz (REF)
0	605uH
5	525uH
8	340uH

REVISION HISTORY		SIGN & DATE	
REV	ECN	BY	DATE
A	PRODUCTION RELEASE	KLC	07/22/08
A1	UPDATED SPEC.	TN	09/25/2020
A2	CORRECTED TYPO IN VARNISH TYPE	JL	07/25/22

UNLESS OTHERWISE SPECIFIED	
DIMENSIONING AND TOLERANCE PER ANSI Y14.5M AND [MILLIMETERS]	DRWN: KLC
TOLERANCE INCHES: .XXX=±.005 .XX=±.015 .X=±.030 .XXX=±.125 .XX=±.158 .X=±.30	ENGR: KLC
ANGLE PROJECTION	APPR: KLC
DO NOT SCALE DRAWING	

CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
PARTS LIST				
AUTOCAD	X			
SOLIDWORKS				
SIGN	DATE			
DRWN: KLC	07/21/08			
ENGR: KLC	07/21/08			
APPR: KLC	07/21/08			
TITLE:		CWS Coil Winding Specialist.		
POWER INDUCTOR		353 W Grove Ave Orange, CA 92865		
600 uH, 8 Amp, Vertical				
SIZE		CWS-1HF-12456		
SCALE		2=1		
SHEET		1 OF 1		