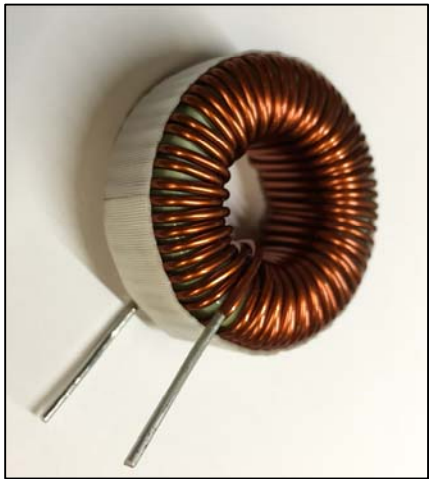


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7 BUILT TO RoHS COMPLIANCE.

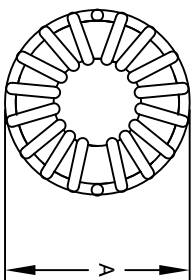
6 IF APPLICABLE, LABEL PART NUMBER AND REVISION

POSITION LEADS AS REQUIRED  
REMOVE WIRE INSULATION AND TIN  
WIND COILS EVENLY SPACED  
CONSTRUCTION:

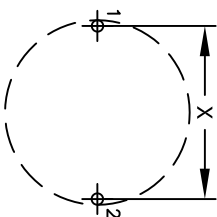
4 WEIGHT: ~130 GRAMS

HI-POT WINDING-TO-CORE 1250 V AC, 10 SEC  
INTERWINDING CAPACITANCE 50.0pF TYPICAL @ SRF  
DCR = 45mΩ MAX  
SRF ~ 879.5kHz TYPICAL  
MAX TEMP. RISE @ IDC 8 AMP, LESS THAN 50°C WITH NO AIRFLOW  
DC BIASED = 5.0 AMPS, INDUCTANCE = 420 UH  
DC BIASED = 8.0 AMPS, INDUCTANCE = 320 UH  
INDUCTANCE @ 0 AMP = 600UH±15% (LESS THAN 10% RIPPLE)  
TEST FREQUENCY: 1.0 kHz ; TEST VOLTAGE: 250mV  
RATED MAX. CURRENT = 8 AMPS RMS ; FREQUENCY: 1kHz  
OPERATING TEMPERATURE RANGE : -40° TO 180°C  
SPECIFICATIONS @ 25°C

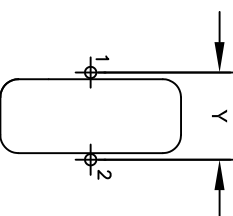
BOTTOM VIEW



MOUNTING HOLES PATTERN



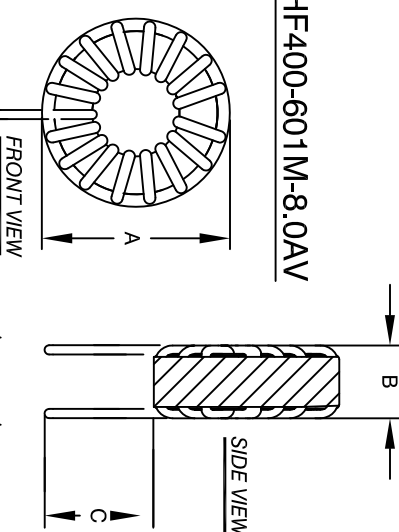
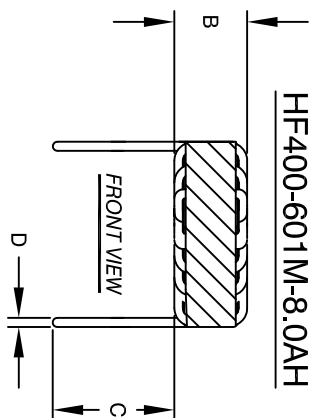
MOUNTING HOLES PATTERN



DIMENSIONAL TOLERANCES (INCHES [MM])									
A	B	C	D			X	Y		
MAX	MAX	MIN	REF			REF	REF		
1.83 [46.5]	.874 [22.2]	.75 [19.05]	.06 [1.52]			1.75 [44.45]	.787 [20.0]		

HF400-601M-8.0AH

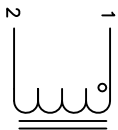
HF400-601M-8.0AV



REVISION HISTORY			
REV	ECN	DESCRIPTION	DATE
---		PRODUCTION RELEASE	7/18/08

- 1 WIRE: UL RATED CLASS 200°C
  - 2 CORE: HIGH TEMP POWDERED CORE
  - 3 RATING UL-CLASS H (180°C) REQUIRED
  - 4 MATERIAL: UL RECOGNIZED FLAMMABILITY
- NOTES: UNLESS OTHERWISE SPECIFIED, READ NOTES FROM BOTTOM TO UP.

SCHEMATIC



CODE	IDENT	MFG. P/N	DESCRIPTION	ITEM NO.
AUTOCAD	X			
SOLIDWORKS				
SIGN	DATE			
DRAWN	5/6/08			
CHKD	5/6/08			
ENGR.	5/6/08			
APPR.	5/6/08			
KLC				
SIZE	DATE			
B	5/6/08			
SCALE	2=1			
SHEET	1	OF	1	

**PARTS LIST**

COILWS COM, INC	CWS Coil Winding Specialist.
353 WEST GROVE	
ORANGE, CA 92665	
www.coilws.com	
TITLE:	Toroidal Power Inductor
600 uH, 8 Amp	
HF400-601M-8.0A	
REV	---