



/2

BUILD TO RoHS COMPLIANCE AND LEAD FREE. **USING A PERMANENT MARKING METHOD**

MARK PART NUMBER, REVISION AND DATE CODE

(e) WRAP INDUCTOR WITH 3M # 79 OR EQUAL

5 REMOVE INSULATION AND TIN LEADS 0.5 INCH, FLUSH WITH THE COIL EDGE (I.E. COIL MUST REST FLAT ON PCB). LEADS MUST BE TANGENT TO THE CORE

WIND COILS EVENLY SPACED AROUND THE CORE

CONSTRUCTION:

THESE SPECIFICATIONS ARE BASED ON LOW RIPPLE CURRENT

WEIGHT: 3 GRAMS TYPICAL

INTERWINDING CAPACITANCE = 6.15pF TYP @ SRF

SRF = 8.34 MHz TYPICAL

|Z| = 3 KILO-OHMS TYP @ SRF

RECOMMENDED AMBIENT OPERATING TEMP: -40°C TO 155°C

HI-POT TEST FOR WINDING TO CORE ISOLATION = 500VDC MIN.

INDUCTOR CURRENT RATING: 3.0 AMPS, 20°C TEMP. RISE WITH SOME AIR FLOW

DCR = 40.0 MILLI-OHMS MAX.

INDUCTANCE AT DC BIAS: SEE TABLE ON THE RIGHT INDUCTANCE = $60uH\pm15\%$ @ 0 AMP DC BIAS, 1.0 KHz, 250mV

SPECIFICATIONS: @ 25°C:

WIRE: UL RECOGNIZED 200°C RATED MAGNET WIRE CORE: POWDERED TOROIDAL CORE, CWS BYTEMARK OR OTHER APPROVED PART

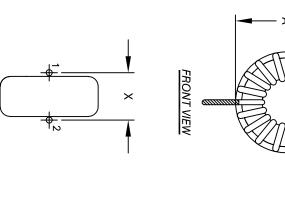
2 MATERIAL: UL RECOGNIZED 94V-0 FOR FLAMMABILITY, RATING CLASS B (130°C MIN.) REQUIRED

ANY TOLERANCE. THIS DIM. CAN VARY A LITTLE FROM PART TO PART.

"TYP" IN DIM. TOL. TABLE REFERS TO A NON-CRITICAL TYPICAL (AVERAGE) DIM. WITHOUT

NOTES: UNLESS OTHERWISE STATED, READ NOTES FROM BOTTOM UP.

CAGE CODE: 5DME2



SIDE VIEW

3.0 2.0 -0

32uH 42uH 52uH

U

DC BIAS (AMP)

_@ 1KHz

(REF)

DC BIAS TABLE

0

57uH

MOUNTING HOLES PATTERN

	IDENT		MFG. P/N		DESCRIPTION	NO.
				PARTS LIST	LIST	
	AUTOCAD	×			CWS Call Winding Specialis	+
	SOLIDWORKS		COILWS COM, INC	OM, INC	Cyvs Coll willding specialist.	51
HERWISE SPECIFIED	SIGN	DATE	www.coilws.com	s.com	353 W. Grove Ave.	
NG AND PER ANSI Y14.5M	DRAWN TDK	TDK 08/10/17 TITLE: .	IOI IIII	ODAI	TOROIDAL POWER INDLICTOR	
IONS ARE IN INCHES	CHECKED 08/10/17	21/01/00		(1)		

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DO NOT SCALE DRAWING	ANGLE PROJECTION 🔷 🚭	.xxx=±.127 .xx=±.38 <=±0.30' APPR.	TOLERANCE INCHES: .XXX=±.005 .XX=±.015 - \(\) =±0'30' ENGR. TOLERANCE METRICS:				ALL DIMENSIONS ARE IN INCHES	DIMENSIONING AND TOLERANCE PER ANSI Y14.5M		UNLESS OTHERWISE SPECIFIED	
		APPR.		ENGR.		CHECKED		DRAWN		္ည	
	i	JLAU 08/10/17 B		KSUM		JLAU		렃	SIGN		
	21/01/80	KSUM 08/10/17			JLAU 08/10/17		TDK 08/10/17 TITLE:		DATE		
SCALE	α	ן כ	SIZE		•			ווורפּ:		—' ≨	
2=1		DWG. NO.			60uH, 3.0 Amps, Vertical			TOROIDAL POWER INDUCTOR		www.coilws.com	
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1-800M-		-	ATTOS, <	>	- T C * Y E Z		Ordrige, CA 92000	353 W. Grove Ave.	
SHEET 1 OF 1	((()	HF112-600M-3.0AV			CCC.) <u>}</u>)			.000	Ave.	
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