

CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE
Sn96%, Ag4%	Yes	Yes

more than you expect



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	1-2 @20°C	1.94 ohms ±10%
D.C. RESISTANCE	4-3 @20°C	1.94 ohms ±10%
INDUCTANCE	1-2 10kHz, 50mVAC, Ls	42.0 +60%/-30% mH
INDUCTANCE	4-3 10kHz, 50mVAC, Ls	42.0 +60%/-30% mH
SATURATION CURRENT	1-4 tie(2+3), roll off 20% from initial	1.5A
LEAKAGE INDUCTANCE	1-4 tie(2+3), 10kHz, 50mVAC, Ls	1.0mH min.
DIELECTRIC	1-4 2514VAC, 1 second	2011VAC, 1 minute
DIELECTRIC	1-CORE tie(1+4), 1875VAC, 1 second	1500VAC, 1 minute
URNS RATIO	(1-2):(4-3)	1:1, ±2%

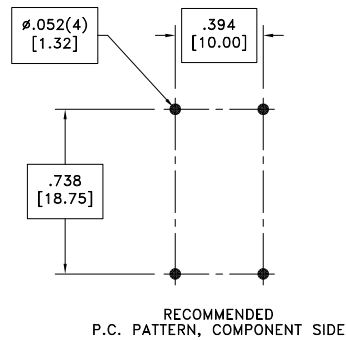
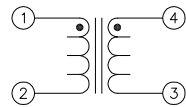
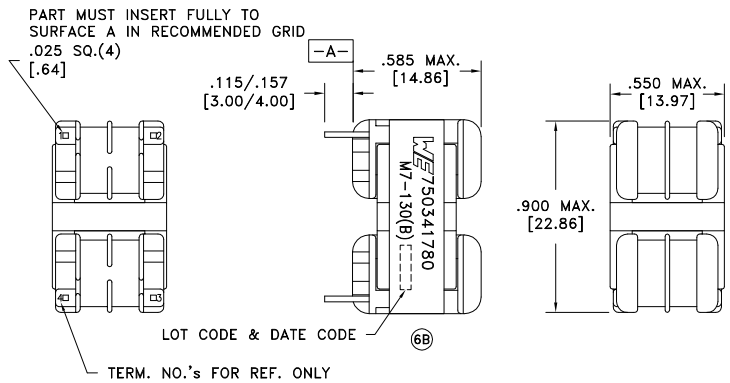
⑥C

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: -40°C to +125°C including temp rise.

Designed to meet UL Recognized Insulation System M7-130(B), E106391.

- ⑥C Current Rating: 0.5A
- ⑥C Designed to comply with UL 1993 for 347VACrms or VDC.
- ⑥C Designed to comply with UL 840 for 347VACrms or VDC for Overvoltage Category II and Pollution Degree II.



Wire insulation & RoHS status not affected by wire color.  
Wire insulation color may vary depending on availability.

REV.	DATE	Packaging Specifications Method: Tray PKG-0822 www.we-online.com/midcom		Tolerances unless otherwise specified: Angles: ±1° Fractions: ±1/64 Decimals: ±.005 [.13] Footprint: ±.001 [.03]	DRAWING TITLE <b>CMC</b>	PART NO. <b>750341780</b>
6C	11/15					
6B	12/14					
6A	5/13	SEE REVISION SHEET FOR REVISION LEVEL		This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	eiSos p/n: 750341780	SPECIFICATION SHEET 1 OF 2

WINDING INFORMATION

ITEM	COIL 1	COIL 2	
WINDING SEQUENCE	1	2	
WIRE WIND DIRECTION	CCW	CCW	
WINDING STYLE	PRECISION	PRECISION	
WIRE TYPE	31H	31H	
TURNS (+/-)	130	130	
BOBBIN SECTION	1&2	3&4	
LAYERS	-	-	
WINDING WIDTH (mm)	3.12x2	3.12x2	
INSULATION TAPE (LAYERS)	-	-	
D.C. RESISTANCE (OHMS @25°C)	2.134 max.	2.134 max.	
Q (MIN.)	-	-	
VuSEC (MAX.) @100°C	-	-	
Vpeak, COIL*	-	-	
Isat (MIN.) @100°C**	-	-	

6B

\*Please refer to Guidelines for the Usage of Components, Document No 171HM0002-1.  
 \*\*DC bias applied to cause 20% drop from initial inductance.

BILL OF MATERIAL

PART	DESCRIPTION	SUPPLIER	UL FILE NUMBER
BOBBIN	EE16.5, TH NYLON 70G33L	PIN SHINE INDUSTRIAL	E41938(M)
WIRE	31 AWG HEAVY POLY, 155°C MW80C	ELEKTRISOLA	E143312 E63382
TAPE	#1351-1	3M	E17385
CORE	EE16.5-1 FERRITE (.64mm Ref. GAP) BSAT, MIN. @100°C = 300mT (Ae MIN. = 35.94mm <sup>2</sup> )	ACME, A05 TDG, TL5	-

MECHANICAL

PART	DESCRIPTION
PACKAGING	TRAY QTY: 63, BOX QTY: 441
WEIGHT	10.68g/piece
TERMINAL SIZE	0.025" ±.005 [0.64mm ±.127] sq. MIN. DRILL HOLE DIAMETER 1.32mm
PULL FORCE	2.0kg min.
COPLANARITY	n/a (thru hole device)

STORAGE TEMPERATURE RANGE: -40°C to +125°C.

WURTH ELECTRONICS MIDCOM INC.	
PART NO. <b>750341780</b>	REV. 6C
SPECIFICATION SHEET 2 OF 2	

PART# 750341780

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