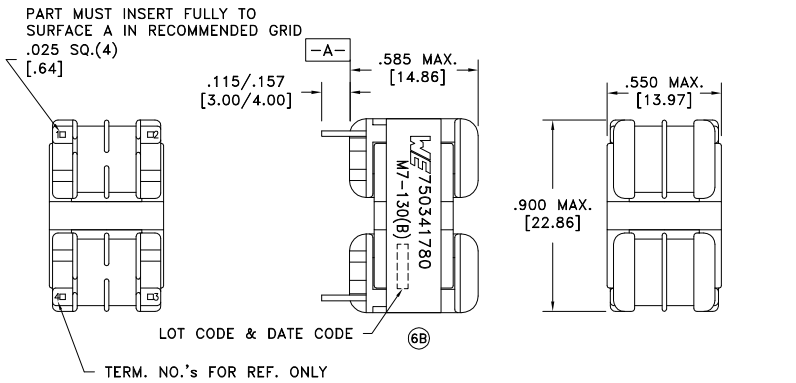
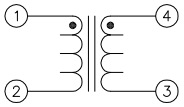
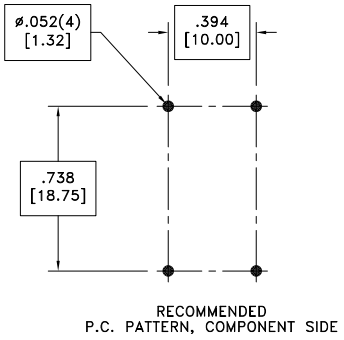
CUSTOMER TERMINAL	RoHS	LEAD(Pb)−FREE
Sn96%, Ag4%	Yes	Yes







RECOMMENDED
P.C. PATTERN, COMPONENT SIDE

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.
6C DIELECTRIC	1−4	2514VAC, 1 second	2011VAC, 1 minute
DIELECTRIC	1−CORE	tie(1+4), 1875VAC, 1 second	1500VAC, 1 minute
TURNS RATIO		(1−2):(4−3)	1:1, ±2%

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
6C	11/15
6B	12/14
6A	5/13

Packaging Specifications
Method: Tray
PKG−0822
www.we−online.com/midcom
SEE REVISION SHEET FOR REVISION LEVEL

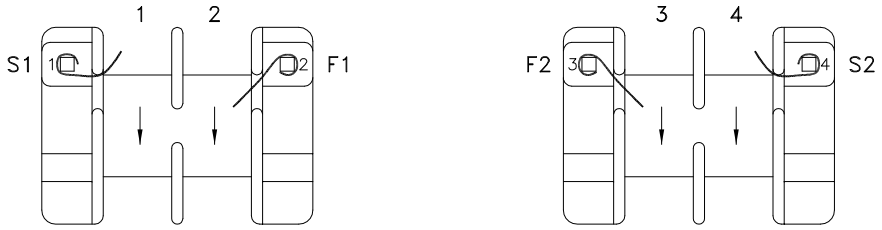
CONVENTION PLACEMENT

Tolerances unless otherwise specified:
Angles: ±1° Decimals: ±.005 [.13]
Fractions: ±1/64 Footprint: ±.001 [.03]
This drawing is dual dimensioned. Dimensions in brackets are in millimeters.

DRAWING TITLE
CMC
eiSos p/n: 750341780

PART NO.
750341780
SPECIFICATION SHEET 1 OF 2

INFORMATION SHEET



COIL 1 COIL 2

6B

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	6B
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**	–	–	

*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^2)	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. **750341780** REV. 6C

SPECIFICATION SHEET 2 OF 2

PART# 750341780