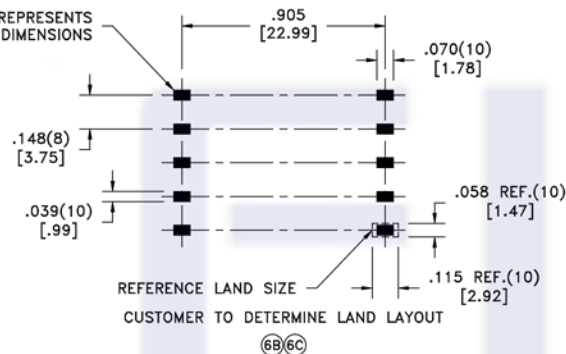
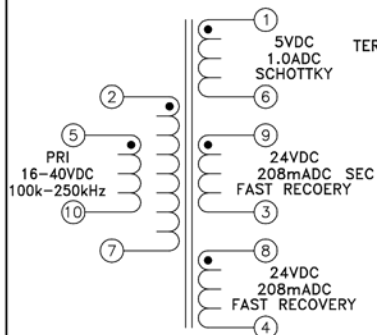
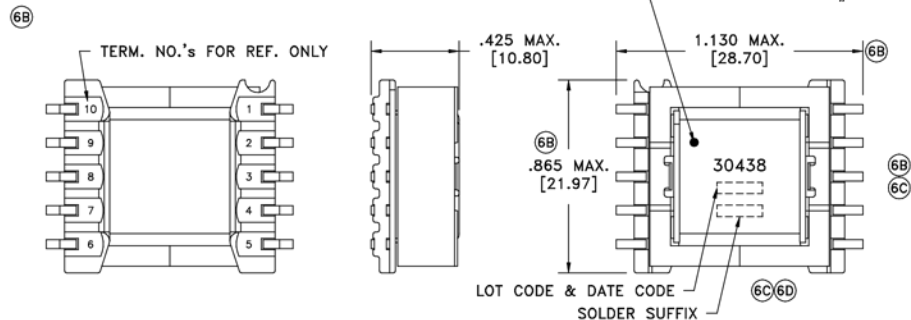


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE
	Sn100%	No	No
LF3	Sn100%	Yes	Yes



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	2-7 @20°C	0.058 ohms max.
D.C. RESISTANCE	1-6 @20°C	0.040 ohms max.
D.C. RESISTANCE	9-3 @20°C	0.779 ohms max.
D.C. RESISTANCE	8-4 @20°C	0.815 ohms max.
D.C. RESISTANCE	5-10 @20°C	0.075 ohms max.
INDUCTANCE	2-7 10kHz, 100mVAC, Ls	26.8uH ±5%
LEAKAGE INDUCTANCE	2-7 tie(9+3, 8+4, 1+6, 10+7, 2+5), 100kHz, 100mVAC, Ls	268nH typ.
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
TURNS RATIO	(2-7):(1-6)	1.636:1, ±1%
6D TURNS RATIO	(9-3):(2-7)	2.78:1, ±1%
6D TURNS RATIO	(8-4):(2-7)	2.78:1, ±1%
TURNS RATIO	(2-7):(10-5)	1:1, ±1%

GENERAL SPECIFICATIONS:

6D OPERATING TEMPERATURE RANGE: -40°C to +125°C including temp rise.

TRANSFORMER INFORMATION:

Pout max.: 15.0W
Pout min.: 5.70W
Estimated Temp. Rise @ Pout max.: 32.0°C
Estimated Efficiency: 80.2%
Estimated Maximum Duty Cycle: 38.5%

SWITCH SELECTION INFORMATION

Input Voltage Range: 16-40V
Peak Current: 4.6A
Vsw @ Rated Output Voltages: 50 + (Vmax - 40)
Operating Frequency: 100k-250kHz

Transformer will operate in Discontinuous Mode below Minimum Specified Output Voltage of Pout Min.
Pout min. varies with frequency of switcher (from 100 to 250kHz)
Pout Min = 570.0/(Frequency in kHz) Watts.

Midcom p/n 30438R-LF3 is eiSos p/n: 750030438.

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	CONVENTION PLACEMENT	Tolerances unless otherwise specified: Angles: ±1° Decimals: ±.005 [.13] Fractions: ±1/64 Footprint: ±.005 [.13]	DRAWING TITLE	PART NO.
6D	2/12	Method: Tape & Reel PKG-0267		This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	TRANSFORMER	FKS30438R-LF3
6C	1/03					
6B	7/00					
6A	8/97				eiSos p/n: FKS750030438	SPECIFICATION SHEET 1 OF 1

