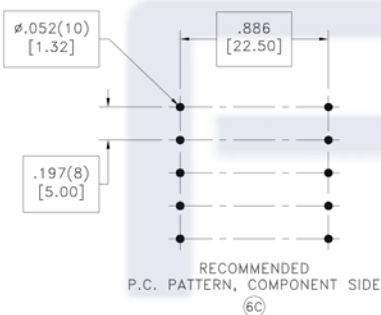
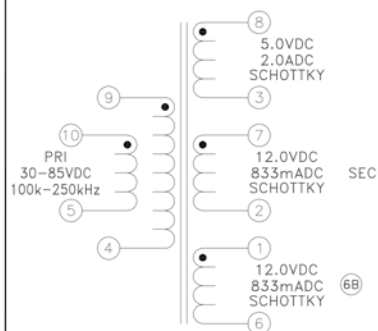
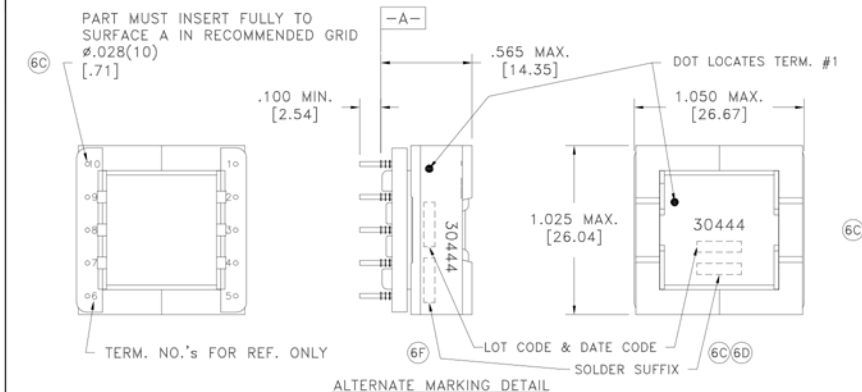


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6D
LF1	Sn96%, Ag4%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	10-5 @20°C	0.190 ohms max.
D.C. RESISTANCE	1-6 @20°C	0.119 ohms max.
D.C. RESISTANCE	8-3 @20°C	0.018 ohms max.
D.C. RESISTANCE	7-2 @20°C	0.110 ohms max.
D.C. RESISTANCE	9-4 @20°C	0.074 ohms max.
INDUCTANCE	9-4 10kHz, 100mVAC, Ls	66uH $\pm 10\%$
6D LEAKAGE INDUCTANCE	9-4 tie(8+3, 7+2, 1+6, 4+5, 10+9), 100kHz, 100mVAC, Ls	720nH typ.
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
URNS RATIO	(10-5):(9-4)	1:1, $\pm 1\%$
URNS RATIO	(9-4):(1-6)	1.190:1, $\pm 1\%$
URNS RATIO	(9-4):(7-2)	1.190:1, $\pm 1\%$
URNS RATIO	(9-4):(8-3)	2.778:1, $\pm 1\%$

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

TRANSFORMER INFORMATION:

Pout max.:	30.00W
Pout min.:	7.20W
Estimated Temp. Rise @ Pout max.:	44.0°C
Estimated Efficiency:	72%
Estimated Maximum Duty Cycle:	34.2%

SWITCH SELECTION INFORMATION

Input Voltage Range:	30-85V
Peak Current:	4.9A
Vsw @ Rated Output Voltages:	100 + (Vmax - 85)
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 = 720.0/(Frequency in kHz) Watts.

6F Wire insulation & RoHS status not affected by wire color.
Wire insulation color may vary depending on availability.

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	CONVENTION PLACEMENT	Tolerances unless otherwise specified: Angles: $\pm 1^\circ$ Fractions: $\pm 1/64$	Decimals: $\pm .005$ [.13] Footprint: $\pm .001$ [.03]	DRAWING TITLE TRANSFORMER	PART NO. FKS30444-LF1	6D
6F	4/19	Method: Tray						
6E	2/13	PKG-0819						
6D	2/12							
6C	7/05							

This drawing is dual dimensioned. Dimensions in brackets are in millimeters.

eiSos p/n: FKS750030444



SPECIFICATION SHEET 1 OF 1