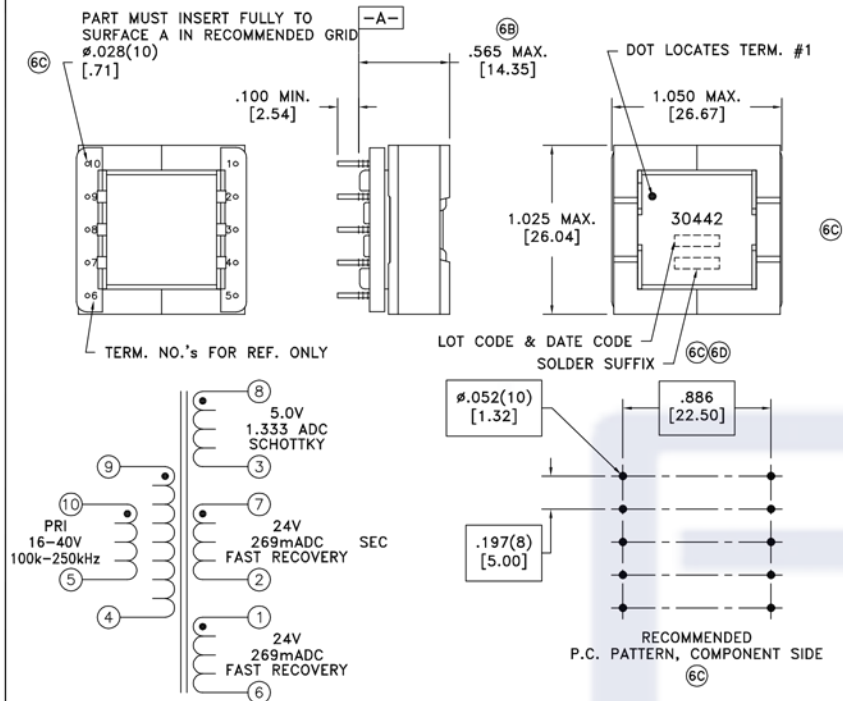


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6C6D
LF1	Sn96%, Ag4%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	10-5 @20°C	0.135 ohms max.
D.C. RESISTANCE	1-6 @20°C	0.661 ohms max.
D.C. RESISTANCE	8-3 @20°C	0.027 ohms max.
D.C. RESISTANCE	7-2 @20°C	0.627 ohms max.
D.C. RESISTANCE	9-4 @20°C	0.107 ohms max.
INDUCTANCE	10-5 10kHz, 100mVAC, Ls	55.9uH $\pm 5\%$
LEAKAGE INDUCTANCE	9-4 tie(8+3, 7+2, 1+6, 4+5, 10+9), 100kHz, 100mVAC, Ls	480nH typ.
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
URNS RATIO	(10-5):(9-4)	1:1, $\pm 1\%$
6D TURNS RATIO	(1-6):(9-4)	2.17:1, $\pm 1\%$
6D TURNS RATIO	(7-2):(9-4)	2.17:1, $\pm 1\%$
6D TURNS RATIO	(9-4):(8-3)	2.09:1, $\pm 1\%$

GENERAL SPECIFICATIONS:

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

TRANSFORMER INFORMATION:

Pout max.:	20.00W
Pout min.:	5.76W
Estimated Temp. Rise @ Pout max.:	40.6°C
Estimated Efficiency:	75.9%
Estimated Maximum Duty Cycle:	44.7%

SWITCH SELECTION INFORMATION

Input Voltage Range:	16-40V
Peak Current:	4.95A
Vsw @ Rated Output Voltages:	52 + (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 = 576.0/(Frequency in kHz) Watts.

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. FKS30442-LF1	6C6D
6E	2/13	Method: Tray PKG-0819						
6D	2/12							
6C	3/05							
6B	11/97							

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

eiSos p/n: FKS750030442



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