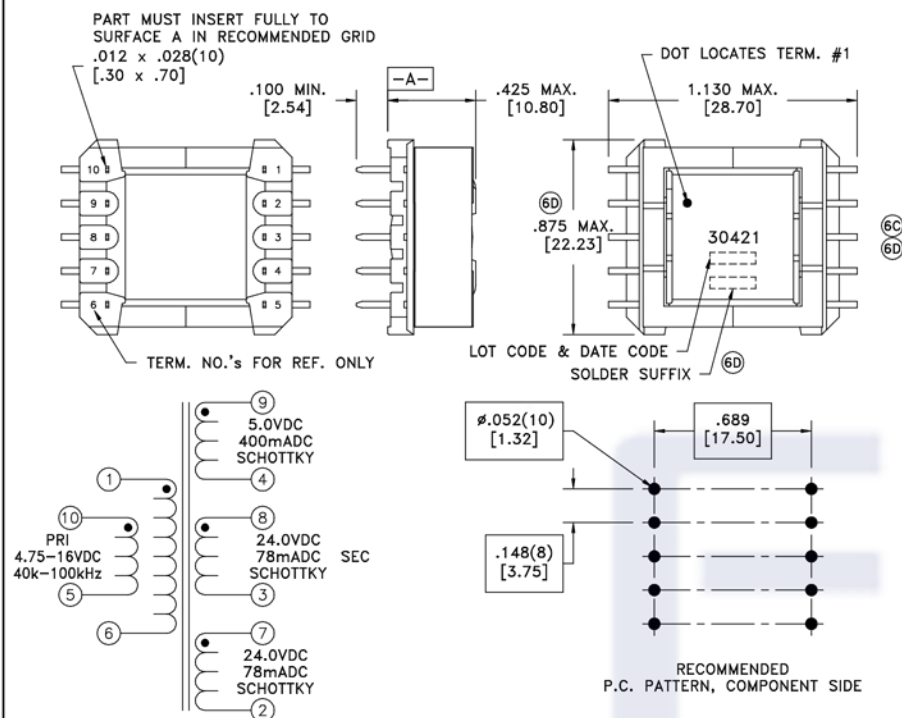


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6D
LF3	Sn100%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	1-6 @20°C	0.058 ohms max.
D.C. RESISTANCE	9-4 @20°C	0.063 ohms max.
D.C. RESISTANCE	8-3 @20°C	1.450 ohms max.
D.C. RESISTANCE	7-2 @20°C	1.450 ohms max.
D.C. RESISTANCE	10-5 @20°C	0.076 ohms max.
INDUCTANCE	1-6 10kHz, 100mVAC, Ls	26.8uH ±5%
LEAKAGE INDUCTANCE	1-6 tie(9+4, 8+3, 7+2, 10+1, 5+6), 100kHz, 100mVAC, Ls	220nH typ
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
TURNS RATIO	(1-6):(9-4)	1:1, ±1%
6D TURNS RATIO	(8-3):(1-6)	4.44:1, ±1%
6D TURNS RATIO	(7-2):(1-6)	4.44:1, ±1%
TURNS RATIO	(1-6):(10-5)	1:1, ±1%

GENERAL SPECIFICATIONS:

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

TRANSFORMER INFORMATION:

Pout max.:	5.75W
Pout min.:	2.90W
Estimated Temp. Rise @ Pout max.:	20.7°C
Estimated Efficiency:	74.5%
Estimated Maximum Duty Cycle:	57.3%

SWITCH SELECTION INFORMATION:

Input Voltage Range:	4.75-16V
Peak Current:	4.876A
Vsw @ Rated Output Voltages:	22 + (Vmax. - 16)
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 40 to 100kHz)
Pout Min = 290.0/(Frequency in kHz) Watts.

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	CONVENTION PLACEMENT	Tolerances unless otherwise specified: Angles: ±1° Decimals: ±.005 [.13] Fractions: ±1/64 Footprint: ±.001 [.03]	DRAWING TITLE	PART NO.	6D
6D	2/12	Method: Tray PKG-0199			TRANSFORMER	FKS30421-LF3	
6C	6/98						
6B	5/98						
6A	8/97						

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

eiSos p/n: FKS750030421



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