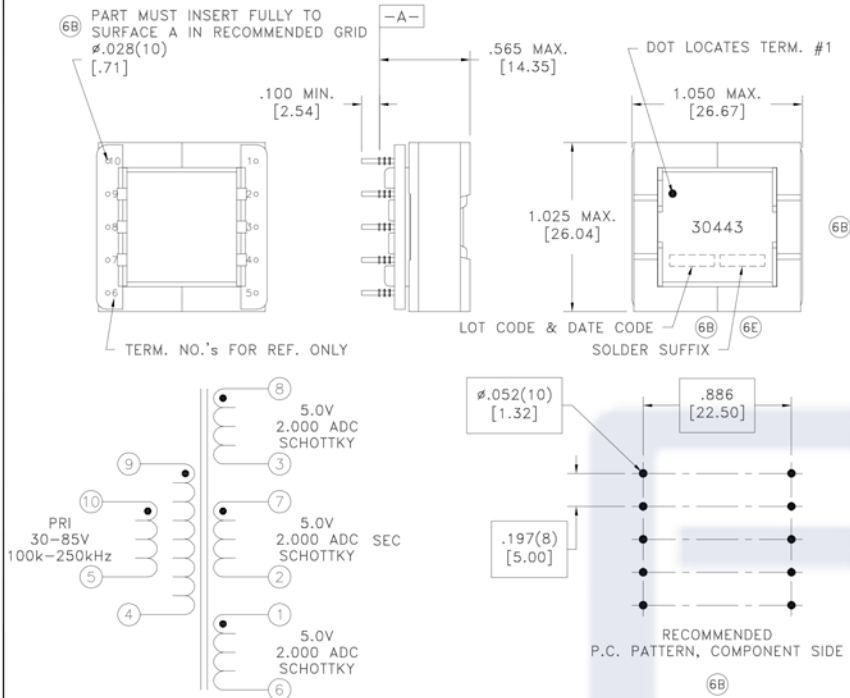


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6B/6C/6E
LF1	Sn96%, Ag4%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

	PARAMETER		TEST CONDITIONS	VALUE
6G	D.C. RESISTANCE	10-5	@20°C	0.190 ohms max.
	D.C. RESISTANCE	1-6	@20°C	0.022 ohms max.
	D.C. RESISTANCE	8-3	@20°C	0.020 ohms max.
6G	D.C. RESISTANCE	7-2	@20°C	0.021 ohms max.
6F	D.C. RESISTANCE	9-4	@20°C	0.074 ohms max.
	INDUCTANCE	9-4	10kHz, 100mVAC, Ls	66uH ±10%
	LEAKAGE INDUCTANCE	2-4	tie(8+3, 7+2, 1+6, 4+5, 10+9), 100kHz, 100mVAC, Ls	900nH typ.
	DIELECTRIC	4-1	625VAC, 1 second	500VAC, 1 minute
	TURNS RATIO		(10-5):(9-4)	1:1, ±1%
	TURNS RATIO		(9-4):(1-6)	2.778:1, ±1%
	TURNS RATIO		(9-4):(7-2)	2.778:1, ±1%
	TURNS RATIO		(9-4):(8-3)	2.778:1, ±1%

GENERAL SPECIFICATIONS:

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

TRANSFORMER INFORMATION:

Pout max.: 30.00W
Pout min.: 7.00W
Estimated Temp. Rise @ Pout max.: 44.0°C
Estimated Efficiency: 70%
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
Estimated Maximum Duty Cycle: 34.2%

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. = 700.0/(Frequency in kHz) Watts

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	Tolerances unless otherwise specified:	DRAWING TITLE	PART NO.
6G	8/19	Method: Tray	Angles: ±1°	TRANSFORMER	FKS30443-LF1
6F	2/13	PKG-0819	Decimals: ±.005 [.13]		
6E	3/11		Fractions: ±1/64		
6D	3/08		Footprint: ±.001 [.03]		



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

eiSos p/n: FKS750030443



SPECIFICATION SHEET 1 OF 1

6E/6B