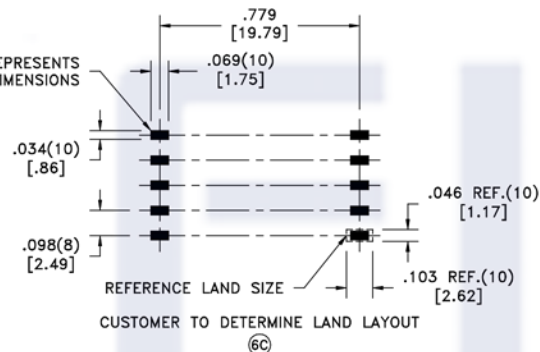
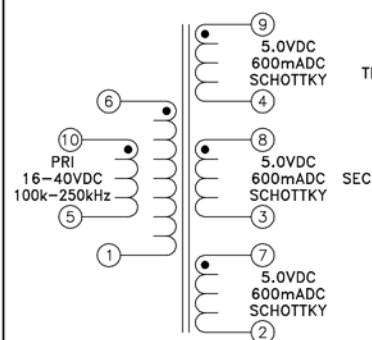
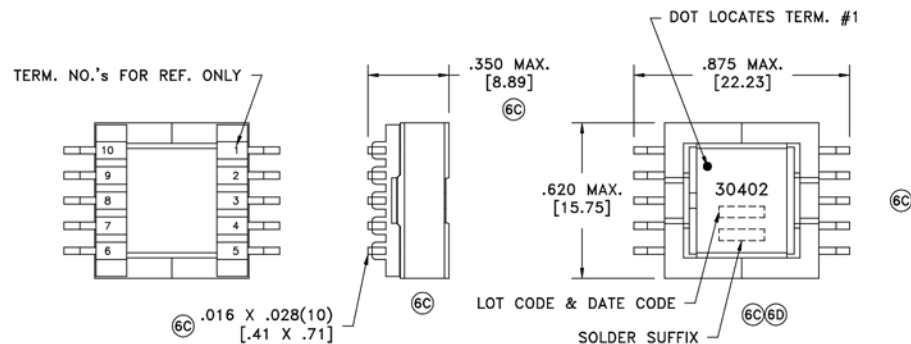


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6D
LF1	Sn96%, Ag4%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE	6-1 @20°C	0.149 ohms max.
D.C. RESISTANCE	9-4 @20°C	0.090 ohms max.
D.C. RESISTANCE	8-3 @20°C	0.087 ohms max.
D.C. RESISTANCE	7-2 @20°C	0.084 ohms max.
D.C. RESISTANCE	10-5 @20°C	0.189 ohms max.
INDUCTANCE	6-1 10kHz, 100mVAC, Ls	32.3uH ±5%
LEAKAGE INDUCTANCE	6-1 tie(9+4, 8+3, 7+2, 10+6, 1+5), 100kHz, 100mVAC, Ls	520nH typ.
DIELECTRIC	PRI-SEC 625VAC, 1 second	500VAC, 1 minute
URNS RATIO	(6-1):(9-4)	1.733:1, ±1%
URNS RATIO	(6-1):(8-3)	1.733:1, ±1%
URNS RATIO	(6-1):(7-2)	1.733:1, ±1%
URNS RATIO	(6-1):(10-5)	1:1, ±1%

GENERAL SPECIFICATIONS:

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

TRANSFORMER INFORMATION:

Pout max.: 9.00W
Pout min.: 4.55W
Estimated Temp. Rise @ Pout max.: 42.5°C
Estimated Efficiency: 74.0%
Estimated Maximum Duty Cycle: 39.7%

SWITCH SELECTION INFORMATION

Input Voltage Range: 16-40V
Peak Current: 2.980A
Vsw @ Rated Output Voltages: 49 + (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 = 455.0/(Frequency in kHz) Watts.

DETAILS SUBJECT TO CHANGE

REV.	DATE	Packaging Specifications	Tolerances unless otherwise specified:	DRAWING TITLE	PART NO.
6D	2/12	Method: Tape & Reel PKG-0222	Angles: ±1° Decimals: ±.005 [.13] Fractions: ±1/64 Footprint: ±.005 [.13]	TRANSFORMER	FKS30402R-LF1
6C	6/03				
6B	6/98				
6A	8/97				



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

eiSos p/n: FKS750030402



SPECIFICATION SHEET 1 OF 1