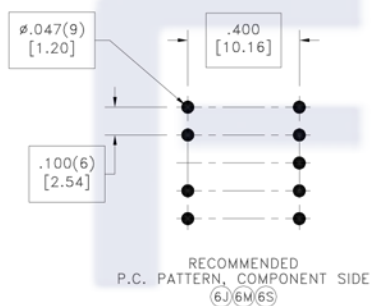
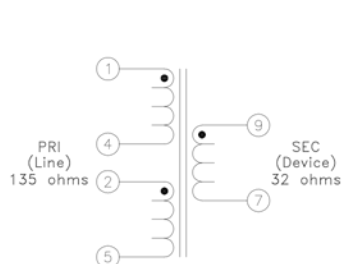
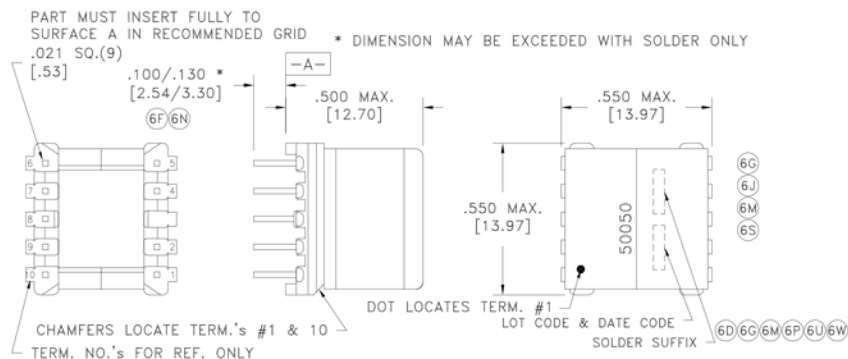


SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6U/6W
LF1	Sn96%, Ag4%	Yes	Yes	



ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

PARAMETER	TEST CONDITIONS	VALUE
D.C. RESISTANCE PRI	@20°C	2.5 ohms max.
D.C. RESISTANCE SEC	@20°C	1.0 ohms max.
6N PRIMARY INDUCTANCE 1-5	tie(2+4), 10kHz, 100mVAC, Ls	2mH ±6%
6N LEAKAGE INDUCTANCE 1-5	tie(2+4, 9+7), 100kHz, 100mVAC, Ls	11uH max.
6Q DIELECTRIC PRI-SEC	2050VAC, 1 second	2000VAC, 1 minute
6N TURNS RATIO	(1-5):(9-7), tie(2+4)	2:1, ±1%
6N TOTAL HARMONIC DISTORTION	20kHz, 4.5Vp-p across PRI, 32 ohm load, 135 ohm input, tie(2+4)	-70dB max.
LONGITUDINAL BALANCE	40kHz - 300kHz	50dB min.
6P FREQUENCY RESPONSE	40kHz - 300kHz	±0.1dB
6P INSERTION LOSS	300kHz, Rs = 135 ohms, RL = 32 ohms	0.5dB max.
RETURN LOSS	40k - 300kHz, Rs = 135 ohms, RL = 32 ohms	16.5dB min.

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: -40°C to +85°C.

D.C. CURRENT: 160mA.

- Designed to comply with the following requirements as defined by IEC60950-1, EN60950-1, UL60950-1/CSA60950-1 and AS/NZS60950.1:
- Supplementary insulation for a primary circuit at a working voltage of 300Vrms.
 - Reinforced insulation for a secondary circuit at a working voltage of 150VDC.

Designed to work with Brooktree BT8921 at a data rate of 1,168kbs.

6W 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
6W	12/17	Method: Tray
6V	2/12	PKG-0421
6U	7/05	
6T	10/03	



Tolerances unless otherwise specified:
Angles: ±1°
Decimals: ±.005 [.13]
Fractions: ±1/64
Footprint: ±.001 [.03]

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

DRAWING TITLE

TRANSFORMER

eiSos p/n: FKS750050050



PART NO.

FKS50050-LF1

SPECIFICATION SHEET 1 OF 1

6M 6U 6Q 6W

6C	AGENCY NUMBER
6H 6P	ACA/AUSTEL US/9168/UL
6G 6P	IEC60950-1 (Via CB cert.) US/9168/UL
6H 6P	JAPAN (Via CB cert.) US/9168/UL
6Q	UL60950-1 E205930
6Q	CSA60950-1 (Via CUL) E205930

6W 6U

6N