

FKS
Electronics



PARAMETER		TEST CONDITIONS	VALUE
	D.C. RESISTANCE 4-2	@20°C	0.051 ohms ±20%
⑥C	D.C. RESISTANCE 7-6	@20°C	0.094 ohms ±20%
⑥C	D.C. RESISTANCE 9-13	@20°C	0.004 ohms max.
⑥C	D.C. RESISTANCE 12-16	@20°C	0.004 ohms max.
⑥C	D.C. RESISTANCE 11-15	@20°C	0.004 ohms max.
⑥C	D.C. RESISTANCE 10-14	@20°C	0.004 ohms max.
	INDUCTANCE 4-2	10kHz, 100mVAC, Ls	276uH ±10%
	SATURATION CURRENT 4-2	20% rolloff from initial	3.3A
	LEAKAGE INDUCTANCE 4-2	tie(7+6, 9+10+11+12+13+14+15+16), 100kHz, 100mVAC, Ls	46.0uH ±15%
	DIELECTRIC 2-16	tie(4+6, 11+12+13+14), 3900VAC, 1 second	3900VAC, 1 minute
	URNS RATIO	(4-2):(9-11), tie(9+10, 11+12+13+14)	17.01:1, ±2%
	URNS RATIO	(4-2):(13-15), tie(11+12+13+14, 15+16)	17.01:1, ±2%
	URNS RATIO	(4-2):(7-6)	8.5:1, ±2%

GENERAL SPECIFICATIONS:

OPERATING TEMPERATURE RANGE: -40°C to $+125^{\circ}\text{C}$ including temp rise.

Designed to comply with the following requirements as defined by IEC60950-1, EN60950-1, UL60950-1/CSA60950-1 and AS/NZS60950.1:

- Reinforced insulation for a primary circuit at a working voltage of 265Vrms, 400Vpeak, Overvoltage Category II.

Designed to comply with the following requirements as defined by IEC61558-2-16 and EN61558-2-16:

- Basic insulation for a primary circuit at a working voltage of 265Vrms, 400Vpeak (operating frequency of <2MHz).

Designed to be used in resonant LLC converters.

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	 CONVENTION PLACEMENT	Tolerances unless otherwise specified: Angles: $\pm 1^\circ$ Decimals: $\pm .005$ [.13] Fractions: $\pm 1/64$ Footprint: $\pm .001$ [.03]	DRAWING TITLE TRANSFORMER	PART NO. FKS750315913
6E	3/18	Method: Tray		This drawing is dual dimensioned. Dimensions in brackets are in millimeters.	eiSos p/n: FKS750315913	 SPECIFICATION SHEET 1 OF 1
6D	10/17	PKG-1107				
6C	7/17					
6B	6/17					