

SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE	6M6R
LF1	Sn96%, Ag4%	Yes	Yes	

PART MUST INSERT FULLY TO SURFACE A IN RECOMMENDED GRID

.021 SQ.(9)
[.53]

.100/.130 *
[2.54/3.30]

6C

CHAMFERS LOCATE TERM.'s #1 & 10

TERM. NO.'s FOR REF. ONLY

* DIMENSION MAY BE EXCEEDED WITH SOLDER ONLY

-A-

.500 MAX.
[12.70]

.550 MAX.
[13.97]

50772

DOT LOCATES TERM. #1

LOT CODE & DATE CODE

SOLDER SUFFIX

6E 6G 6L 6R

6F

6M

PRI (Line)

135 ohms

1

4

2

5

SEC (Device)

32 ohms

9

7

RECOMMENDED P.C. PATTERN, COMPONENT SIDE

ø.047(9)
[1.20]

.400
[10.16]

.100(6)
[2.54]

ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

LONGITUDINAL BALANCE: 50dB min., 1k - 300kHz, per ITU Method (L->M).

D.C. RESISTANCE (@20°C): 1-4, 2.43 ohms ±10%.
2-5, 2.43 ohms ±10%.
9-7, 1.46 ohms ±10%.

INSERTION LOSS: 0.5dB max., 40kHz.

6F DIELECTRIC RATING: 2000VAC, 1 minute tested by applying 2050VAC for 1 second between 1-9; 2-9.

INDUCTANCE: 2mH ±6%, 10kHz, 100mVAC, 0/160mADC, 1-5(2+4), Ls.

LEAKAGE INDUCTANCE: 30uH max., 100kHz, 100mVAC, 1-5(tie 2+4, 9+7), Ls.

URNS RATIO: (1-5):(9-7) = 2:1, tie(2+4), ±1%.

TOTAL HARMONIC DISTORTION: -60dB typ., 1kHz, +13.5dBm, 32 ohm load, 135 ohm input, tie(2+4).

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

Designed for use with Conexant's RS8973 SDSL/HDSL transceiver.

6B Designed to comply with the following requirements as defined by IEC60950-1, EN60950-1, UL60950-1/CSA60950-1 and AS/NZS60950.1:

6H - Supplementary insulation for a primary circuit at a working voltage of 300Vrms.

6L - Reinforced insulation for a secondary circuit at a working voltage of 150VDC.

6R Wire insulation & RoHS status not affected by wire color.
Wire insulation color may vary depending on availability.

6C 6G 6H 6L 6R

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

DETAILS SUBJECT TO CHANGE

Unless otherwise specified: Tolerances: Angles: ±1° Fractions: ±1/64 Decimals: ±.005[.13]	DRAWING TITLE	PART NO. 6R 6M REV. FKS50772-LF1 6R 1/18 SPECIFICATION SHEET 1 OF 1 6C
	TRANSFORMER	
	eiSos p/n: FKS750050772	

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

PART # 50772-LF1