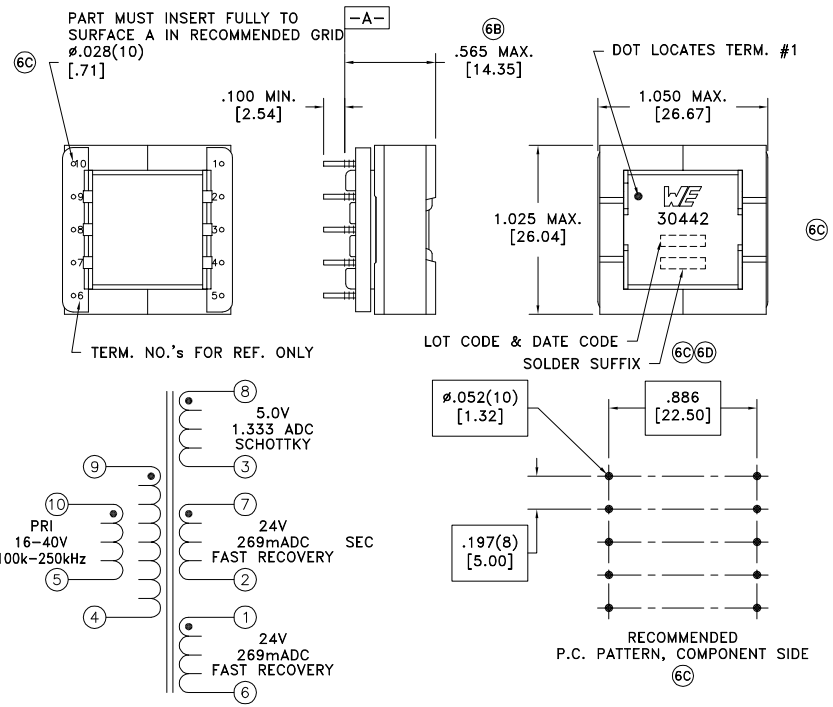
SOLDER SUFFIX	CUSTOMER TERMINAL	RoHS	LEAD(Pb)-FREE (6C)(6D)
LF1	Sn96%, Ag4%	Yes	Yes



DETAILS SUBJECT TO CHANGE

more than you expect

Midcom

WÜRTH ELEKTRONIK

ELECTRICAL SPECIFICATIONS @ 25°C unless otherwise noted:

	PARAMETER		TEST CONDITIONS	VALUE
	D.C. RESISTANCE	10-5	@20°C	0.135 ohms max.
	D.C. RESISTANCE	1-6	@20°C	0.661 ohms max.
	D.C. RESISTANCE	8-3	@20°C	0.027 ohms max.
	D.C. RESISTANCE	7-2	@20°C	0.627 ohms max.
	D.C. RESISTANCE	9-4	@20°C	0.107 ohms max.
	INDUCTANCE	10-5	10kHz, 100mVAC, Ls	55.9uH ±5%
	LEAKAGE INDUCTANCE	9-4	tie(8+3, 7+2, 1+6, 4+5, 10+9), 100kHz, 100mVAC, Ls	480nH typ.
	DIELECTRIC	PRI-SEC	625VAC, 1 second	500VAC, 1 minute
	TURNS RATIO		(10-5):(9-4)	1:1, ±1%
(6D)	TURNS RATIO		(1-6):(9-4)	2.17:1, ±1%
(6D)	TURNS RATIO		(7-2):(9-4)	2.17:1, ±1%
(6D)	TURNS RATIO		(9-4):(8-3)	2.09:1, ±1%

GENERAL SPECIFICATIONS:

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

TRANSFORMER INFORMATION:

Pout max.:	20.00W
Pout min.:	5.76W
Estimated Temp. Rise @ Pout max.:	40.6°C
Estimated Efficiency:	75.9%
Estimated Maximum Duty Cycle:	44.7%

SWITCH SELECTION INFORMATION

Input Voltage Range:	16-40V
Peak Current:	4.95A
Vsw @ Rated Output Voltages:	52 + (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 = 576.0/(Frequency in kHz) Watts.

REV.	DATE
6E	2/13
6D	2/12
6C	3/05
6B	11/97

Packaging Specifications
Method: Tray
PKG-0819 (6E)
www.we-online.com/midcom
SEE REVISION SHEET FOR REVISION LEVEL

CONVENTION PLACEMENT

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: 750030442

compliant RoHS

PART NO. (6C)(6D)
30442-LF1
SPECIFICATION SHEET 1 OF 1