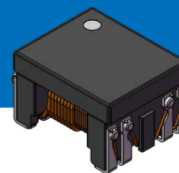


Pulse Transformers – LTW Series



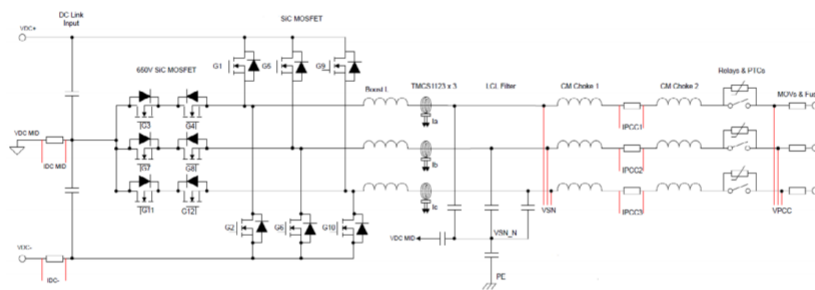
Operating Temp ◆ -40°C ~+150°C

Features

- ◆ RoHS compliant
- ◆ High reliability
- ◆ Small size, Dimension is 4.6mm*3.8mm
- ◆ Cost competitiveness

Applications

- ◆ Isolated Gate Driver



Product Identification

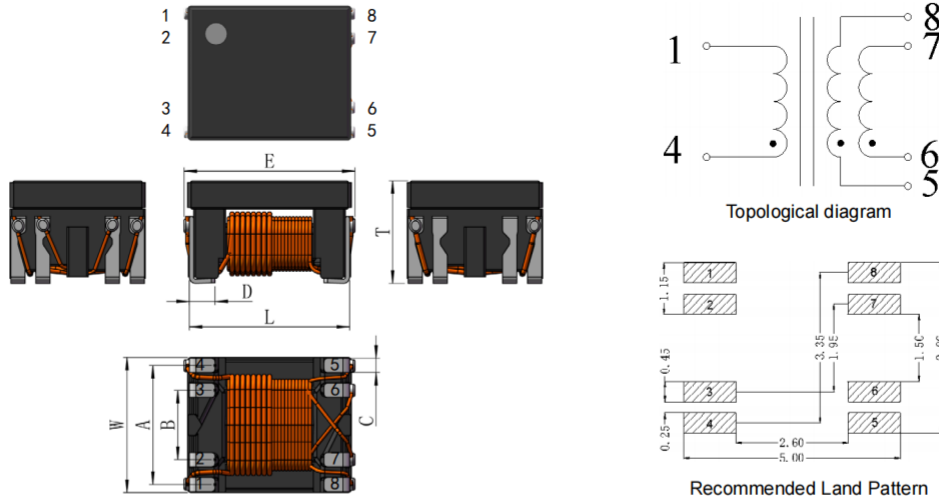
1	LT	2	W	3	4638	4	A	5	P	6	C05	7	T	8	F
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1	Type	2	Structure	3	External Dimensions (L×W) (mm)	
	LT		W		4638	4.6x3.8
	Pulse Transformer		Wire			

4	Feature Type	5	Feature Code	6	Design Code
	A		P		C05
	Type A		Power		

7	Packing	8	HSF Products
	T		Hazardous Substance Free Products
	Tape& Reel		

Shape and Dimensions



Unit: mm

L	W	T Max.	A	B	C	D	E Max.
4.60±0.20	3.80±0.20	3.20	3.35±0.10	1.95±0.10	0.40±0.05	0.75±0.10	5.00

Specifications

LTW4638A-P-C05TF

ITEMS	Test Terminal	Specification	Test Condition
Inductance	(1-4)	3.0 μ H Min.	100KHz, 1V
Leakage Inductance	(1-4) & (short 5-6-7-8)	0.18±25% μ H	100KHz, 1V
DCR	(1-4)	0.30 Ω Max.	AT 25±5° C
	(5&6-7&8)	0.90 Ω Max.	AT 25±5° C
Turns Ratio	(1-4) : (5&6-7&8)	1:3±5%	100KHz, 100mV
C _{ww}	(1-4) to (5-6-7-8)	5.0pF Max.	100KHz, 100mV
Hi-POT	Pri to Sec (1-4) to (5-6-7-8)	No breakdown	1500VAC/50Hz/1mA/60sec.
			1800VAC/50Hz/1mA/1sec.

Note : 1. Voltage-time Pin(1-4) : ≥ 4.0 V· μ s ;
 2. OV CAT II , Functional insulation, Pollution degree 2, Working voltage 420Vdc Max.