




SMT POWER TRANSFORMER

Matched to Linear Technology Chipset



-  DC/DC converter for use with Linear Technology LTC 1535 isolated RS485 transceiver
-  Compact and cost-effective industrial design: EP7 format
-  500Vrms isolation

Electrical Specifications @ 25°C — Operating Temperature -40°C to +125°C

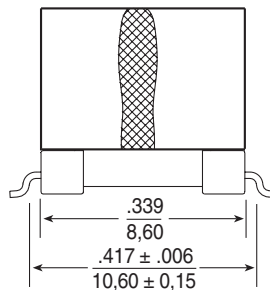
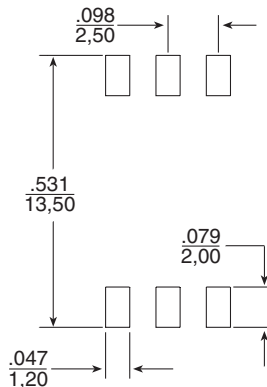
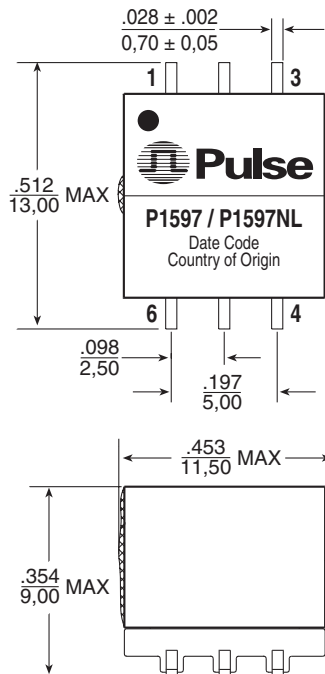
Part Number	Turns Ratio	OCL (@ 25°C) ($\mu\text{H} \pm 30\%$)	LL (@100kHz/100 mV) ($\mu\text{H} \text{ MAX}$)	Isolation Voltage (Vrms)	Mounting
P1597	1:1.35:1.35	578	0.35	500	SMT
P1597NL	1:1.35:1.35	578	0.50	2000	SMT

NOTE: Add suffix "T" to part number for Tape & Reel package (i.e. P1597T or P1597NLT).

Mechanical

Schematic

P1597 / P1597NL



Weight 1.8 grams
 Tape & Reel350/reel
 Tube80/tube
 Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.004}{0,10}$

For More Information:

Pulse Worldwide Headquarters

12220 World Trade Dr.
 San Diego, CA 92128
 U.S.A.
www.pulseeng.com

Tel: 858 674 8100
 Fax: 858 674 8262

Pulse Europe

Einsteinstrasse 1
 D-71083 Herrenberg
 Germany

Tel: 49 7032 7806 0
 Fax: 49 7032 7806 12

Pulse China Headquarters

B402, Shenzhen
 Tech-Innovation International
 Tenth Kejian Rd.
 High-Tech Industrial Park
 Nanshan District, Shenzhen
 China

Tel: 86 755 33966678
 Fax: 86 755 33966700

Pulse North China

Room 1503
 XinYin Building
 No. 888 YiShan Rd.
 Shanghai 200233
 China

Tel: 86 21 54643211/2
 Fax: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
 #07-01/02
 KA Centre
 Singapore 368324

Tel: 65 6287 8998
 Fax: 65 6280 0080

Pulse North Asia

No. 26
 Kao Ching Rd.
 Yang Mei Chen
 Tao Yuan Hsien
 Taiwan, R. O. C.

Tel: 886 3 4641811
 Fax: 886 3 4641911

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2007. Pulse Engineering, Inc. All rights reserved.