HIGH FREQUENCY FLAT COIL INDUCTOR

PGL6459HLT & PGL6704.222HLT Series

- ***Height:*** *13.5mm Max*
- ***Footprint:*** *19x17mm*
- ***Inductance:*** *2.2uH*
- ***Current Rating:*** *16A*

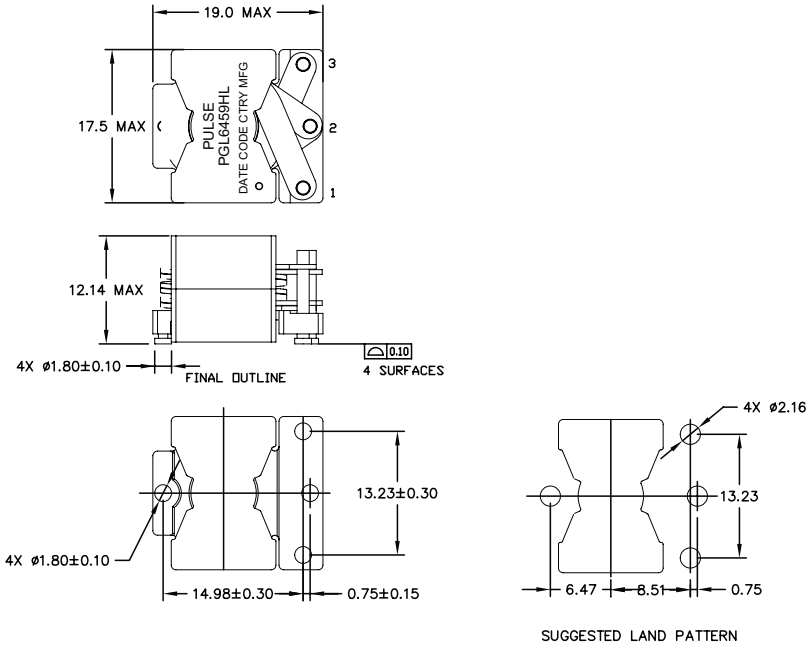
Electrical Specifications @ 25°C – Operating Temperature -40°C to +125°C									
Part Number	Inductance @ 0Adc (uH±20%)	Inductance @ Isat (uH MIN)	Irated (ADC)	DCR mohms (max)	Saturation Current (A TYP)		Heating Current (ADC)	Lk Leakage inductance (nH)	Turn Ratio
					25°C	125°C			
PGL6459HLT	2.2	1.3	22	1.7	22	15	30	40 MAX	1:1
PGL6704.222HLT	2.2	1.54	16	1.6	16	12	34	40 TYP	1:1

Notes:

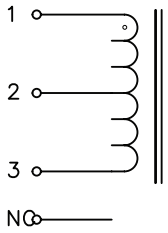
1. Inductance measured at 100kHz, 100mVrms.
2. Inductance at Irated is the value of the inductance at 25°C at the listed rated current.
3. The rated current as listed is either the saturation current (25°C) or the heating current depending on which value is lower.
4. The saturation current is the typical current which causes the inductance to drop by 30% at the stated ambient temperatures (25°C, 100°C). This current is determined by placing the component in the specified ambient environment and applying a short duration pulse current (to eliminate self-heating effects) to the component.
5. The heating current is the DC current which causes the part temperature to increase by approximately 40°C when used in a typical application.
6. Leakage inductance is measured at 100Khz, 100mVrms, pin 1-2 value with pin 2/3 or pin 3/4 shorted.
7. Parts with the HLT suffix are sold in tape and reel packaging. Pulse complies to industry standard tape and reel specification EIA-481. The tape and reel for this product has a width (W=44mm), pitch (Po=28mm) and depth (Ko=14mm). Samples of these parts can be ordered by removing the HLT suffix and replacing with HL.
8. The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

Mechanicals

PGL6459HLT



Schematics



Weight .....11.8 grams
Tape & Reel 150/reel
Tray 40/tray
Dimensions: Inches / mm

Unless otherwise specified,

all tolerances are ± .010 / 0.25

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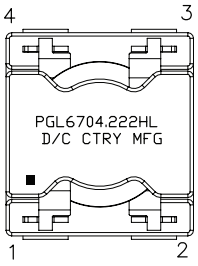
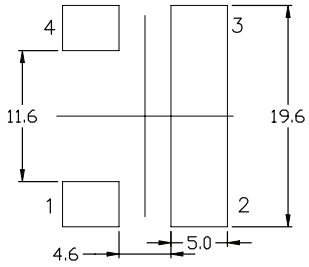
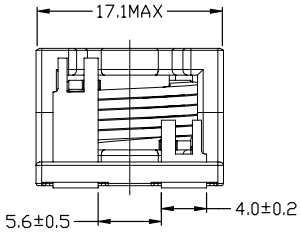
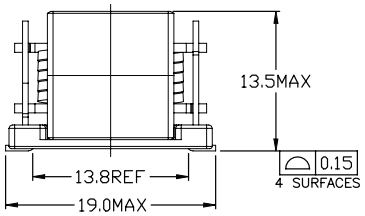


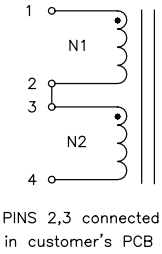


SUGGESTED LAND PATTERN



FINAL OUTLINE



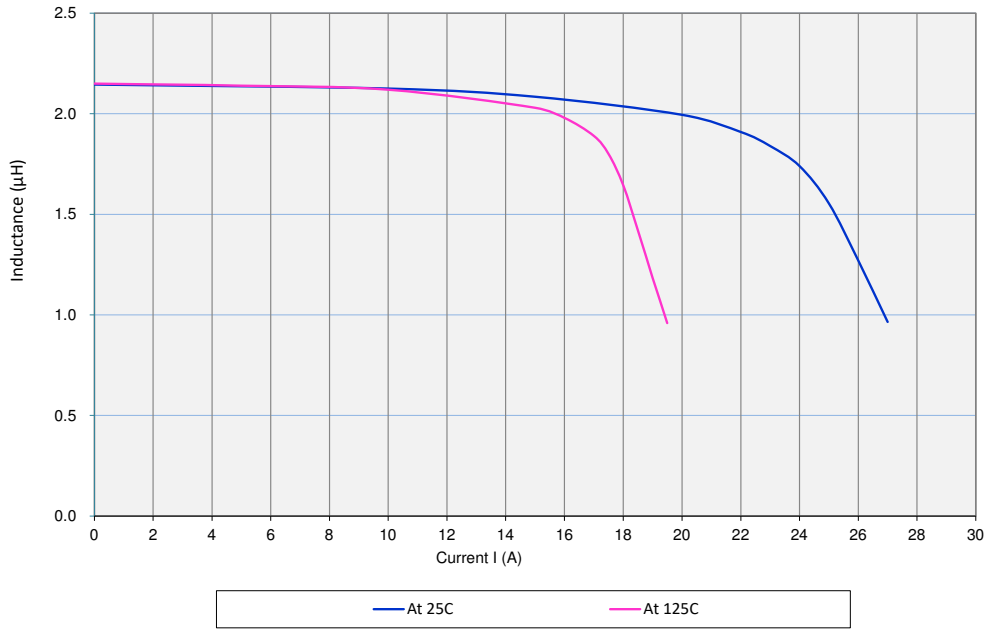


PINS 2,3 connected in customer's PCB

Weight .....11.8 grams
Tape & Reel 120/reel
Tray 40/tray
Dimensions: Inches / mm

Unless otherwise specified, all tolerances are ± .010 / 0.25

PGL6459HLT L vs I Curve



For More Information

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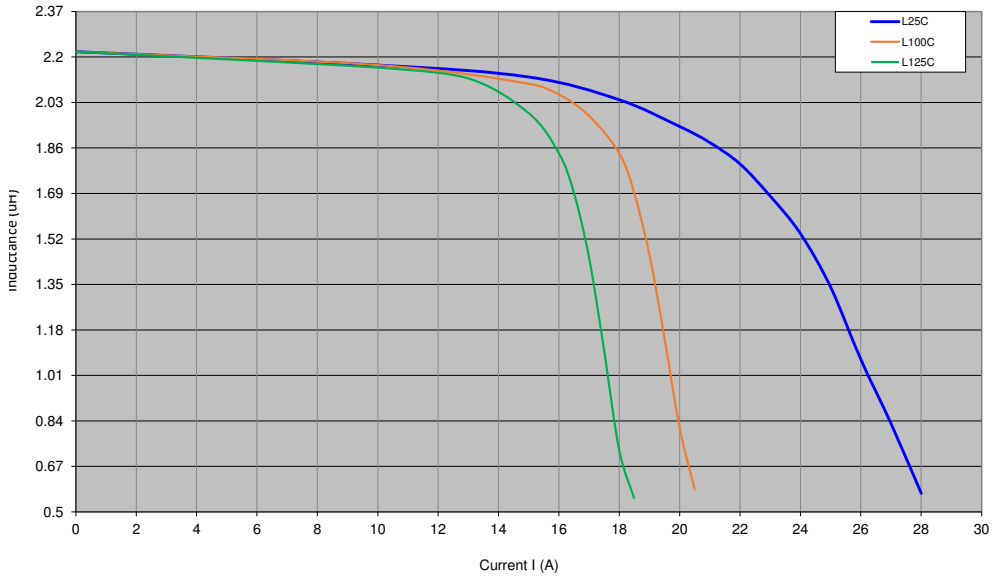
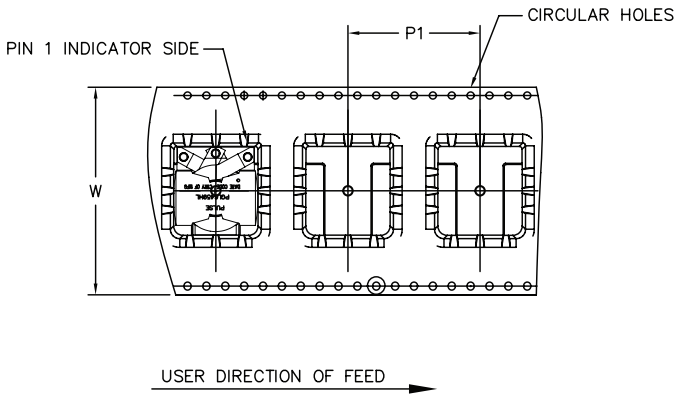


Tape & Reel



SURFACE MOUNTING TYPE, REEL/TAPE LIST				
PART NUMBER	TAPE SIZE (mm)			QTY
	W	P_1	K_0	PCS/REEL
PGL6459HLT	44	28	12.4	150
PGL6704.222HLT	44	28	14	120

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