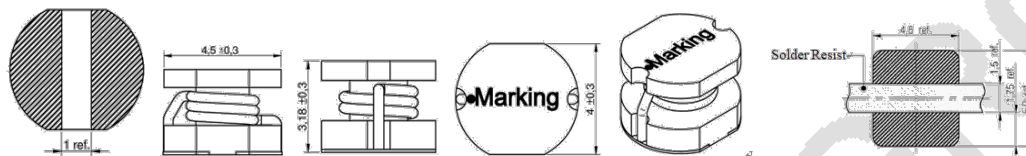


1. Shape & Dimensions (mm)

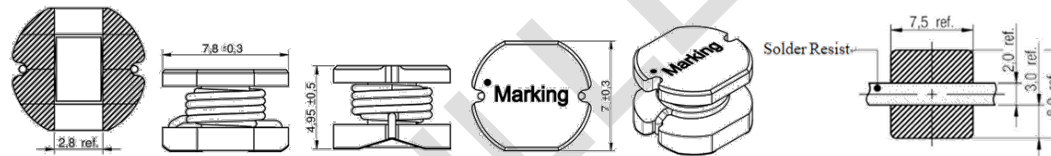
PVT-MDCDH4532



PVT-MDCDH4548



PVT-MDCDH7850



2. Electrical Properties



Part Number	Inductance L (uH)	Test Frequency	D.C.R. (Max Ω) @ 25°C	Saturation Current (Typ A)	Rated Current (Max A)
PVT-MDCDH4532-2R2M	2.2	10KHz	0.071	3.38	2.5
PVT-MDCDH4532-680K	68	10KHz	1.117	0.68	0.55
PVT-MDCDH5848-6R8M	6.8	10KHz	0.082	5	2.4
PVT-MDCDH5848-221K	220	10KHz	1.57	0.47	0.42
PVT-MDCDH7850-150K	15	10KHz	0.09	2.23	1.93
PVT-MDCDH7850-102K	1000	10KHz	3.3	0.3	0.3

(continued)

Remarks:

A. PVT-MDCDH4532

- Inductance: 1uH~68uH @ 10KHz/0.25V
- Idc1(Isat): 0.68A~5.72A Typ. DC current that will cause L0 to drop approximately 10%
- Idc2 (Rated Current): 0.56A~4A Max. DC current that will cause an approximate ΔT of 40°C
- DC Resistance: 0.049 Ω ~1.117 Ω Max.

B. PVT-MCDCH4548

- Inductance: 2.2uH~220uH @ 10KHz/0.25V
- Idc1(Isat): 0.47A~8.2A Typ. DC current that will cause L0 to drop approximately 10%
- Idc2 (Rated Current): 0.42A~4.6A Max. DC current that will cause an approximate ΔT of 40°C
- DC Resistance: 0.041 Ω ~1.57 Ω Max.

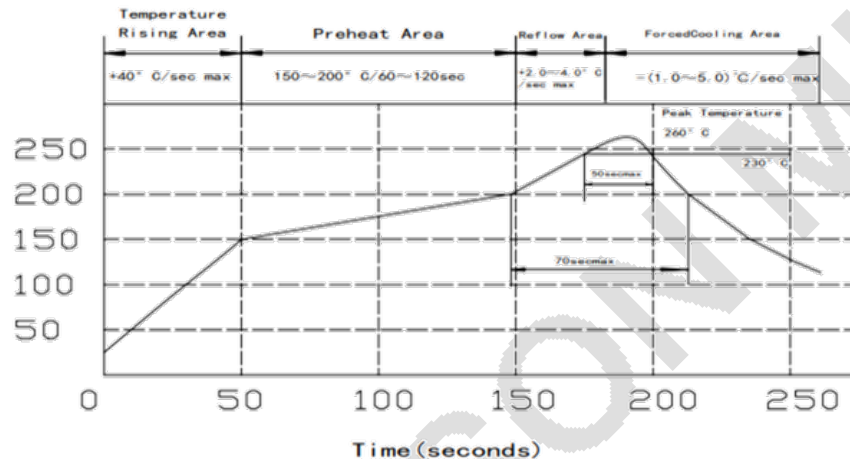
C. PVT-MCDCH7850

- Inductance: 10uH~1000uH @ 10KHz/0.25V
- Idc1(Isat): 0.3A~2.95A Typ. DC current that will cause L0 to drop approximately 10%
- Idc2 (Rated Current): 0.28A~2.3A Max. DC current that will cause an approximate ΔT of 40°C
- DC Resistance: 0.07 Ω ~3.3 Ω Max.

- D. Operating Temperature:** -40°C to +125°C
Storage Temperature (in tape & reel packaging): -20°C to +40°C; 75% RH max

3. Soldering Conditions

Peak Temperature: 260°C | Max time above 230°C: 50 sec | Max time above 200°C: 70 sec



4. Material List

Item	Description
Core	CD Core
Wire	Copper
Soldering	Tin
Varnish	V1630FS

Manufacturer information and UL ILE numbers for all materials available upon request