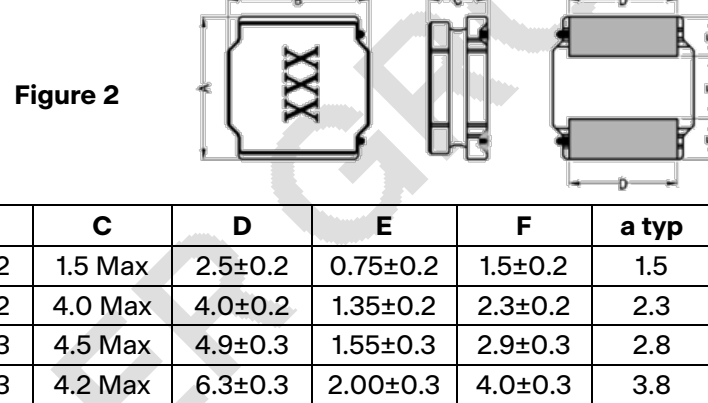
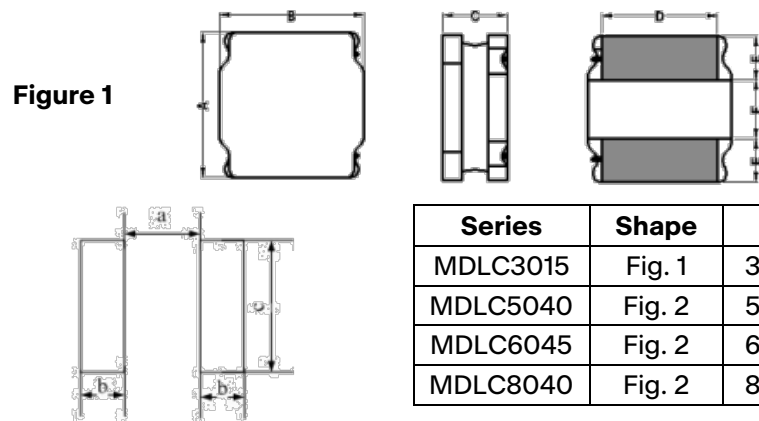


1. Shape & Dimensions (mm)



2. Electrical Properties



Part Number	Inductance L (uH)	Inductance Tolerance	DC Resistance (±30% mΩ)	Saturation Current Isat (Typ A)	Irise (Max A)
PVT-MDLC3015-4R7M	4.7	±20%	125	1.1	1.09
PVT-MDLC5040-680M	68	±20%	400	0.9	0.8
PVT-MDLC6045-100M	10	±20%	52	3	2.5
PVT-MDLC8040-681M	68	±20%	1750	0.5	0.45

Remarks:

A. PVT-MDLC3015

- Inductance: 0.24uH~47uH @ 100KHz/0.25V
- Idc1(Isat): 0.35A~4.8A Typ.DC current that will cause L0 to drop approximately 30%
- DC Resistance: 14mΩ~1200mΩ ± 30%

B. PVT-MDLC5040

- Inductance: 1uH~1000uH @ 100KHz/0.25V
- Idc1(Isat): 0.26A~7.35A Typ.DC current that will cause L0 to drop approximately 30%
- DC Resistance: 13mΩ~6000mΩ ± 30%

(continued)

Remarks (continued):

C. PVT-MDLC6045

- a. Inductance: 0.56uH~220uH @ 100KHz/0.25V
- b. $I_{dc1}(I_{sat})$: 0.63A~14.5A Typ. DC current that will cause L0 to drop approximately 30%
- c. DC Resistance: $7.5m\Omega \sim 890m\Omega \pm 30\%$

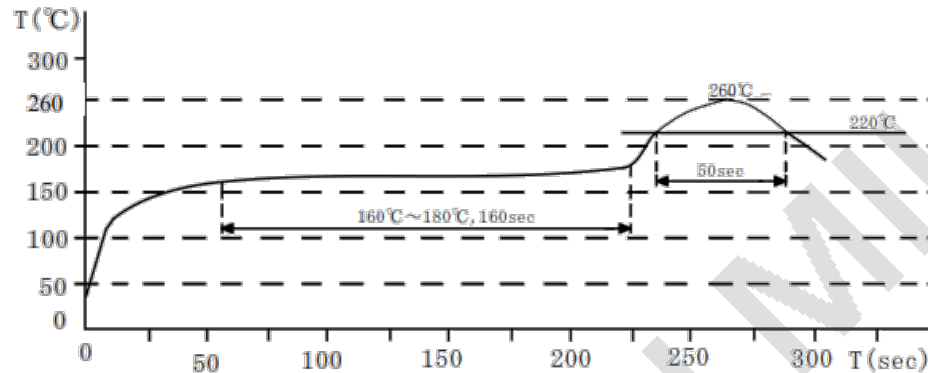
D. PVT-MDLC8040

- a. Inductance: 0.56uH~680uH @ 100KHz/0.25V
- b. $I_{dc1}(I_{sat})$: 0.5A~11.5A Typ. DC current that will cause L0 to drop approximately 30%
- c. DC Resistance: $5m\Omega \sim 1750m\Omega \pm 30\%$

E. It is recommended that the temperature of the part does not exceed 125°C under worst case operating conditions.

- a. Operating Temperature: -40°C to +125°C
- b. Storage Temperature (on tape & reel): -20°C to +40°C; 75% RH max

3. Recommended Reflow Conditions



4. Material List

Item	Description
Drum Core	Ferrite
Wire	Copper
Varnish	V1630FS
Soldering	Tin

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