

SMD POWER INDUCTORS

EP125 Series

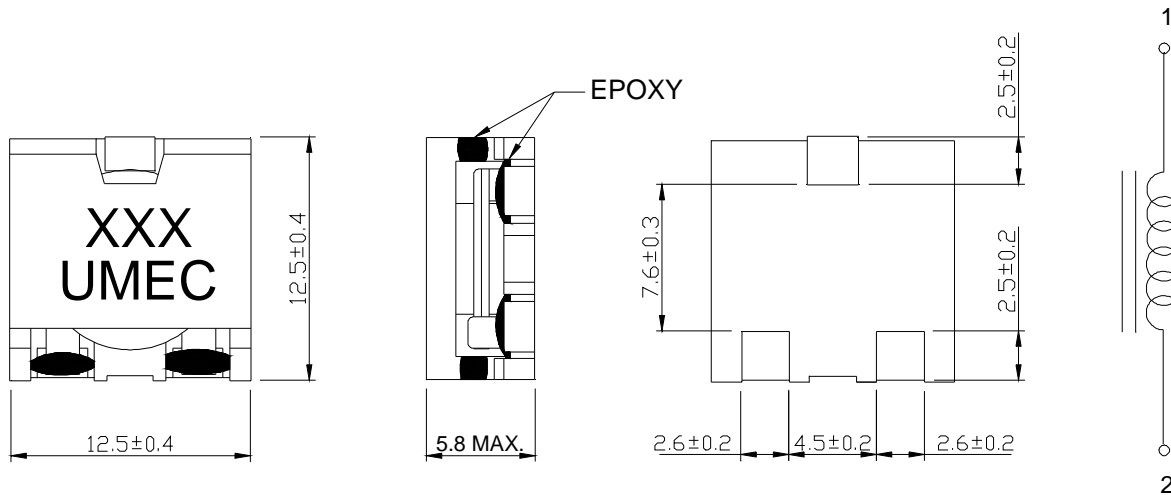
- These are high power SMD inductors to be constructed by flat wire.
- Large permissible DC current and low DC resistance.
- Operating temperature range: -40°C to +100°C

ELECTRICAL SPECIFICATIONS @25°C

UMEC MODEL NUMBER	MARK	$L \pm 20\%^{1}$ (μH)	DCR(m Ω) Max.	I_{sat}^2 (A)	I_{DC}^3 (A)
EP125-1R0	1R0	1.0	2.5	20	15
EP125-1R8	1R8	1.8	3.4	15.3	12
EP125-2R8	2R8	2.8	5.4	12.3	9
EP125-4R0	4R0	4.0	8.0	10.3	8.5
EP125-5R6	5R6	5.6	11.4	8.8	8
EP125-7R2	7R2	7.2	13.5	7.8	7.5

1. Inductance tested at 100KHz, 0.1V, L_s
2. Inductance drop 10% typ. at I_{sat} .
3. $\Delta T=40^\circ\text{C}$ rise typ. at I_{rms} .
4. For RoHS compliant products: a.)The Ordering Code: TG-Model No. ex. TG-EP125-1R0
b.)Solder : Sn/Ag/Cu c.)Date Code suffix to "G" (xxxxG)

DIMENSION & DRAWING



*Specifications are subject to change without prior notice.

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