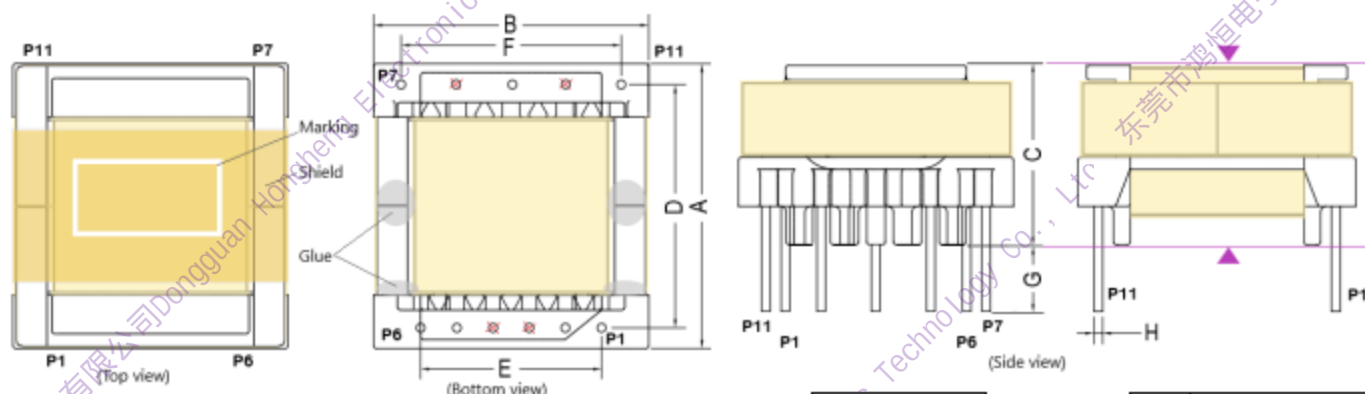
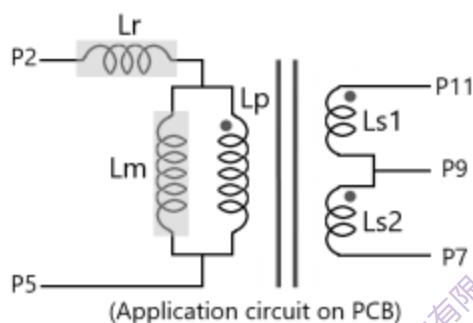


Features:

- Designed for LLC transformer with integrated resonant inductor. Turns ratio: Pri.: Sec.-Sec.=1: 0.0909:0.0909.
- Pri.inductance: 160uH/2A Max.. Sec. inductance: 1.32 uH/1A Max.
- 1500Vrms, one minutes isolation between Primary and Secondary.
- Very low power loss of core used , operation frequency up to 500kHz.
- Low height with 12.6 mm Max. only.
- Storage temperature range: -40°C to +85°C.
- Operating temperature range: -40°C to +125°C (Including coil temperature rise due to self-generated heat).
- RoHS Compliant.

Mechanical (Unit: mm):**Application circuit :**

*P3,P4,P8,P10 fully removed or cut off.

EF2012P
HHd-YYWW

YYWW: Week number
(Marking)

A	20.0 Max.
B	20.0 Max.
C	12.6 Max.
D	16.4 ± 0.3
E	2.50x5 (± 0.2)
F	3.75x4 (± 0.2)
G	4.5±0.5
H	Φ0.6±0.1

Electronic Characteristics:

Item		Between	Spec.	Test condition	Remarks
1. Inductance(uH)	Lp/Lm	P2-P5	160 ±15	100kHz/1Vrms	100% test
	Ls1 or Ls2	P11-P9 or P9-P7	1.32 Ref.	100kHz/1Vrms	100% test
2. Leakage inductance(uH)	Lr	P2-P5	27 ± 5	100kHz/1Vrms, (P11,P9,P7) short	100% test
			25 Min.	10kHz/1Vrms, (P11,P9,P7) short	sample test
			19 Ref.	500kHz/1Vrms, (P11,P9,P7) short	sample test
3. DCR(mOhm)		P2-P5	84 ± 15%	@25°C	100% test
		P11-P9	3.9 ± 15%	@25°C	100% test
		P9-P7	4.1 ± 15%	@25°C	100% test
4. Q (unload)		P2-P5	45 Min.	100kHz/1Vrms	sample test
5. Turns ratio	(P2-P5):(P11-P9):(P9-P7)= 1:0.0909:0.0909 (±3%)				100% test
6. Hi-Pot	Between (P11,P9,P7) and (P2,P5)		AC1.8kV/2mA/50~60Hz/3Sec.		100% test
			AC1.5kV/2mA/50~60Hz/60sec.		sample test
	Coils-Core		AC1.5kV/2mA/50~60Hz/3Sec.		100% test
			AC1.0kV/2mA/50~60Hz/60sec.		sample test
7. Insulation resistance	Coil to coil		100Mohm Min. @25°C, 30~70%RH		sample test
	Coil to Core				

Remarks:

* All test data is referenced to 25°C ambient temperature.

* Test equipment: VC4092B, TH2516B, HP4284/4284A, C3250 or equivalent.