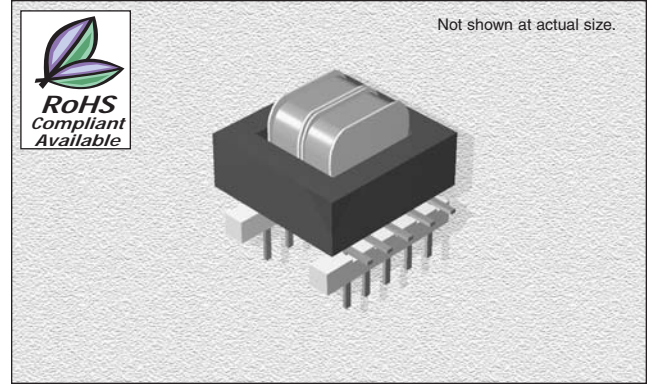


Equivalent Magnetics for LM258x Flyback Regulator



1. Leakage inductance measured across the primary at 0.10 Vrms, 100kHz
2. DC current at which the primary inductance is measured
3. Operating temperature range -40°C to +85°C
4. Electrical specifications at 25°C

ORDERING INFO

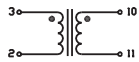
CTQ-----BE Please specify "F" for RoHS compliant

| Part Number | Type | L at 0 Adc ±15% (µH) | L at Ipk Min. (µH) | Volt-time product Max. (Vµsec) | Leakage Inductance ¹ Max. (µH) | DCR Primary (Ω) | DCR Secondary (Ω) | Turns Ratio | Ipk ² (A) |
|-------------|------|----------------------------|--------------------------|--------------------------------------|---|-----------------------|---|-------------------|-------------------------|
| CTQ4435-B_ | SM | 22 | 19.0 | 166.5 | 0.7 | 0.020 | 0.025 | 1:1 | 4.85 |
| CTQ4434-B_ | TH | 22 | 19.8 | 162.0 | 2.0 | 0.028 | 0.028 | 1:1 | 5.0 |
| CTQ4436-B_ | SM | 22 | 19.0 | 166.5 | 0.5 | 0.025 | 0.23 (10-11) 0.25 (9-8) | 1:2.5:2.5 | 5.0 |
| CTQ4337-B_ | TH | 22 | 19.8 | 162.0 | 2.0 | 0.030 | 0.32 (8-7, 6-5) | 1:2.5:2.5 | 5.0 |
| CTQ4343-B_ | TH | 85 | 76.5 | 364.5 | 3.5 | 0.150 | 0.011 (10-9, 7-6) | 1:0.8:0.8 | 3.0 |
| CTQ4344-B_ | TH | 85 | 76.5 | 364.5 | 3.5 | 0.145 | 0.20 (10-9, 7-6) 0.03 (4-5) | 1:0.35:0.8:0.8 | 3.0 |
| CTQ4437-B_ | SM | 55 | 47.3 | 299.7 | 2.0 | 0.110 | 0.035 (3-2) 0.30 (9-8) 0.32 (4-5) | 1:0.5:1.167:1.167 | 3.0 |
| CTQ4338-B_ | TH | 66 | 59.4 | 499.5 | 3.5 | 0.090 | 0.039 (8-7) 0.58 (6-5) 0.60 (3-4) | 1:0.5:1.167:1.167 | 3.0 |
| CTQ4438-B_ | SM | 65 | 57.0 | 299.7 | 3.0 | 0.065 | 0.15 (10-11, 9-8) | 1:1.2:1.2 | 3.0 |
| CTQ4339-B_ | TH | 66 | 59.4 | 499.5 | 3.0 | 0.090 | 0.20 (8-7) 0.24 (5-6) | 1:1.2:1.2 | 3.0 |
| CTS6057-A_ | SM | 47 | 40.0 | 233.1 | 2.0 | 0.065 | 0.065 | 1:1 | 3.0 |
| CTS6000-A_ | TH | 47 | 40.0 | 212.6 | 2.0 | 0.065 | 0.042 | 1:1 | 3.0 |

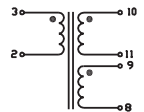
SCHEMATICS

Schematics for Surface Mount (SM)

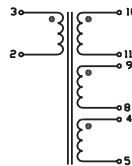
CTQ4435-B, CTS6057-A



CTQ4436-B, CTQ4438-B



CTQ4437-B

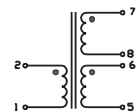


Schematics for Through Hole (TH)

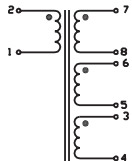
CTQ4434-B, CTS6000-A



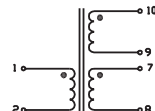
CTQ4337-B, CTQ4339-B



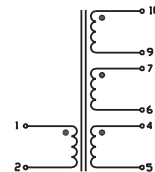
CTQ4338-B



CTQ4343-B



CTQ4344-B

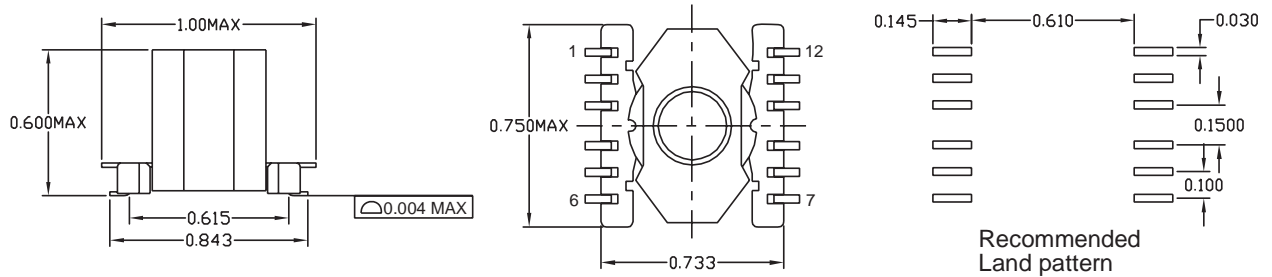


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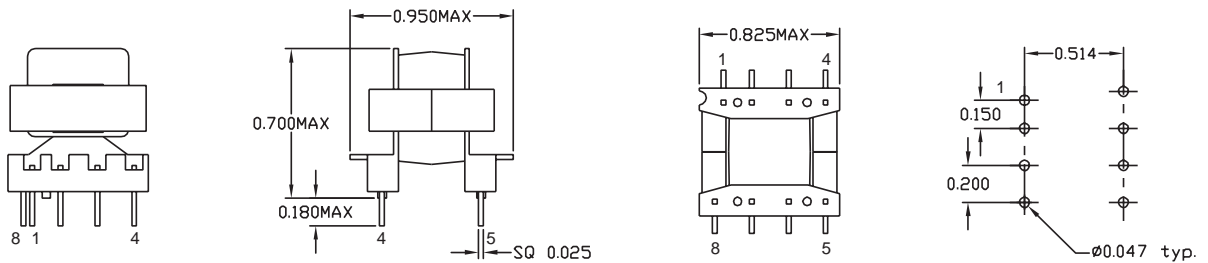
PHYSICAL DIMENSIONS

Unit: inch

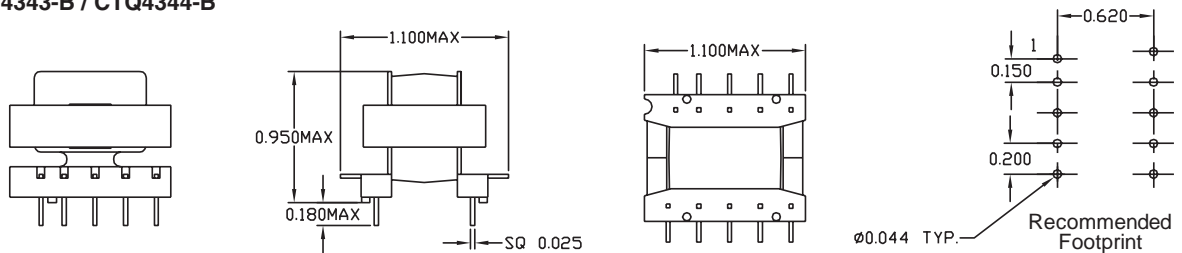
Surface Mount (SM) CTQ4435-B / CTQ4436-B / CTQ4437-B / CTQ4438-B / CTS6057-A



Through Hole (TH) CTQ4434-B / CTQ4337-B / CTQ4338-B / CTQ4339-B / CTS6000-A



Through Hole (TH) CTQ4434-B / CTQ4344-B



12.11.06