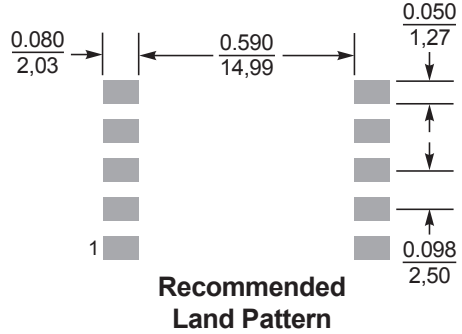
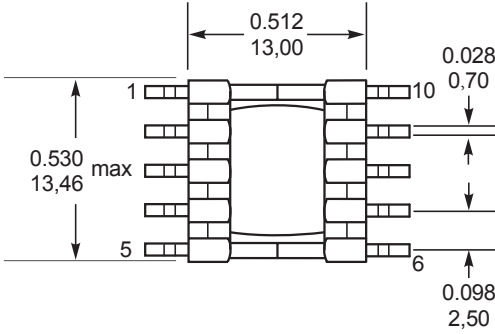
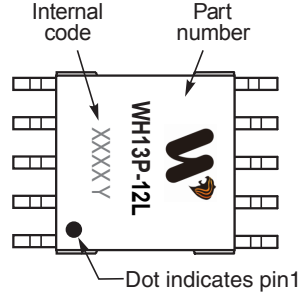
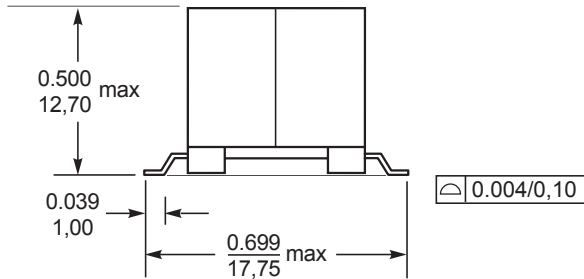


REACH & RoHS COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	MQ.Qu	2020.06.02



- Flyback transformers for PoE applications
- Designed to operate in continuous mode at 250 kHz with an input of 36–72 Vdc
- 1500 Vrms, one minute isolation from primary and bias to secondary; 500 Vrms, 1 minute isolation between all other windings

Designer's Kit C395 contains two of each part shown in bold **Core material** Ferrite

Terminations RoHS tin-silver over tin over nickel over phos bronze.

Weight 6.15 g

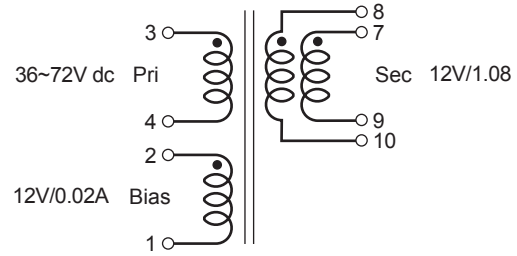
Ambient temperature –40°C to +85°C

Storage temperature Component: –40°C to +85°C
C. Tape and reel packaging: –40°C to +80°C

Resistance to soldering heat Max three 40 second reflows at +260°C, parts cooled to room temperature between cycles

Moisture Sensitivity Level (MSL) 1 (unlimited floor life at <30°C / 85% relative humidity)

Failures in Time (FIT) / Mean Time Between Failures (MTBF) 38 per billion hours / 26,315,789 hours, calculated per Telcordia SR-332



Secondary windings to be connected in parallel on PC board

1. Inductance is for the primary, measured at 250 kHz, 0.1 Vrms, 0Adc
2. Ipk is peak primary current drawn at minimum input voltage.
3. .DCR for the secondary is per winding.
4. Leakage inductance measured between pins 3 and 4 with all other pins shorted.
5. Turns ratio is with the secondary windings connected in parallel.
6. Output of the secondary is with the windings connected in parallel. Biaswinding output is 12 V, 20mA.
7. Electrical specifications at 25°C.



Part number ¹	Power (W)	Inductance at 0 A ² ±10% (μH)	Inductance at Ipk ³ min (μH)	DCR max (Ohms) ⁴			Leakage inductance max (μH) ⁵	Turns ratio ⁶		Ipk ³ (A)	Output
				pri	bias	sec		pri : sec	pri : bias		
WH13P-12L_	13	127	114.3	0.199	0.308	0.065	0.650	1 : 0.50	1 : 0.50	1.0	12 V, 1.08 A