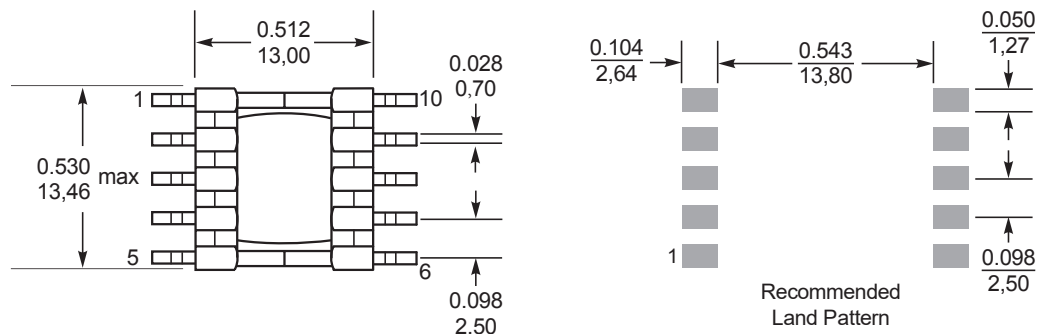
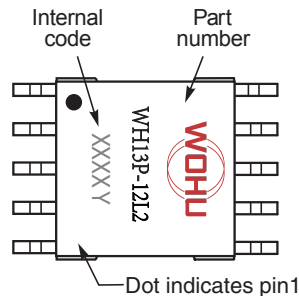
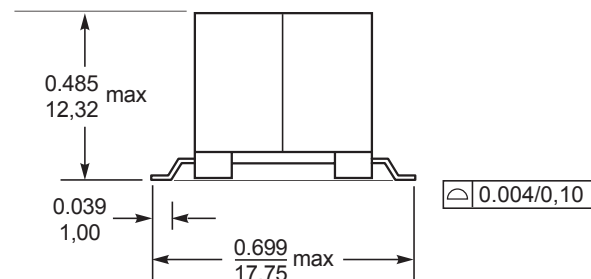
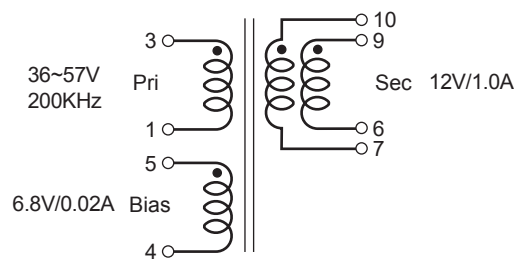


1 REACH
& RoHS
COMPLIANT

REV.	ECN / DESCRIPTION	BY	DATE
A0	NEW	MQ.Cui	2023.02.09



Recommended
Land Pattern



Secondary windings to be connected in parallel on PC board

- Designed for Monolithic Power Systems MP8007 Flyback Reference Design for IEEE802.3af compliant PoE applications.
- Operates in continuous conduction mode with 36 – 57 V input.
- 1500 Vrms, 5 mA, one minute isolation (hipot) between primary and auxiliary to secondary.

Core material Ferrite

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

Weight 6.0~6.2 g

Ambient temperature -40°C to +85°C

Max part temperature +125°C (ambient + temp rise)

Storage temperature Component: -40°C to +125°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)

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

- Inductance is for the primary, measured at 100 kHz, 0.1 Vrms, 0Adc
- l_{pk} is peak primary current drawn at minimum input voltage.
- DCR for the secondary is with both windings connected in parallel.
- Leakage inductance measured between pins 1 and 3 with all other pins shorted.
- Turns ratio is with the secondary windings connected in parallel.
- Output of the secondary is with the windings connected in parallel.
- Electrical specifications at 25°C.

Refer to Doc 362 "Soldering Surface Mount Components" before soldering.

Note:

- Dimensions:mm;
- Unless otherwise specified,tolerances:±0.25(mm);



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Part Number	Power (W)	Turns Ratio	OCL (10KHz, 0.1V)	LL (100KHz,0.1V)	DCR (mΩ Max)			Hi-PoT (VAC 5mA,3S)
		3-1:5-4:10,9-7,6	3-1	3-1 短其它脚	3-1	10,9-7,6	5-4	PRI- SEC
WH13P-12L2	12	1:0.25:0.45	42.9μH±10%	μH Max	0.12	0.03	0.1	1500 VAC