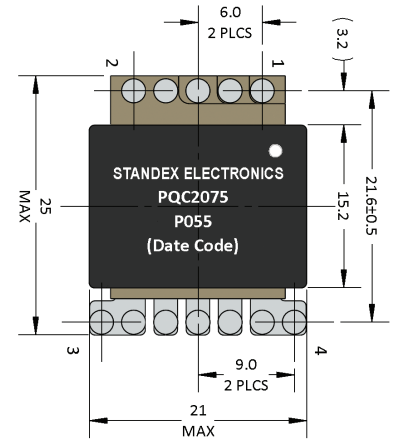
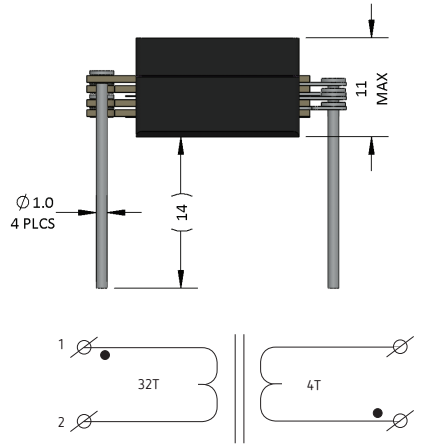
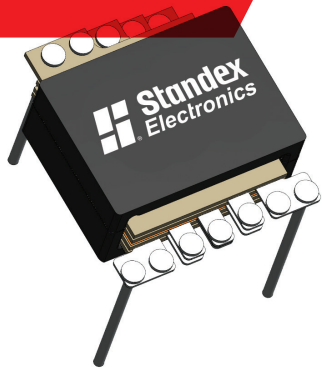


SIZE 055
50W-200W

DESIGN EXAMPLE



TRANSFORMER DESIGN | EXAMPLE - PQC2075

ELECTRICAL SPECIFICATIONS	Topology	Continuous Flyback	Temp. Rise, Natural Cooling 36W, Max.	+35°C
	Input Voltage (100 VDC Nominal)	93-105VDC	Minimum Isolation Voltage	
	Output Power (Output Voltage/Current After Rectification)	36W (12V/3A)	Primary To Secondary And Core	1000VDC
	*Surge Output Power	60W (12V/5A)	Secondary To Core	500VDC
	* 5 Sec., Once An Hour Or Less Frequency		Primary Inductance, Np, Typ.	200µH±5%
	Turns Ratio - Np/Ns	8 : 1	Primary Resistance, Rdc, Np, Max.	470mOhm
	Switching Frequency	150kHz	Secondary Resistance, Rdc, Ns, Max.	5mOhm
	Duty Cycle, Max. At Low Input Voltage	53.0%	Leakage Inductance 1-2/3-4 Shorted, Typ.	5µH
	Efficiency At Vin=100VDC/36W Output Calc.	97.2% (1W losses)	(Secondary Shorted With Low Impedance Jumper)	
	Operating Ambient Range (Full Load)	-11°C to +70°C	Weight Range (Approximate)	12-50grams

NOTES:
1) CUSTOM THROUGH HOLE FLYBACK DESIGN
2) PATENTED SURFACE MOUNT HEADER AVAILABLE
3) THROUGH-HOLE OR SURFACE MOUNT AVAILABLE