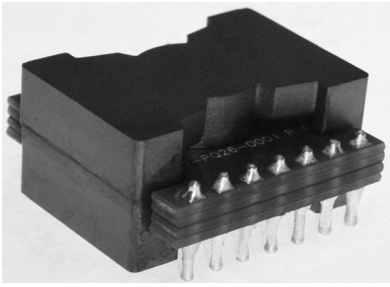


Wide Input Range & Offline Active Clamp Forward : 38-400Vin to 12V, 24V, 28V, 48V, 80 Vout & 140-196W



- Footprint: 27 wide x 32.7 mm length x 15 mm Height
- Meets UL and IEC 60950-1 Clearance/Creepage Class II, Reinforced Insulation, Peak Working Voltage 1400Vpk
- Meets IEC 61180-1 Peak Impulse Withstand Voltage 8KV.
- Derived from customer verification in Analog / Linear Ref Design using LT3752 & LT8311 ICs.
- Optimized for Active Clamp Forward Topology & Wide Input Range.
- Typical Efficiency 94-95%. Typical Temperature Rise 45-65C above ambient
- Available with Thermal Pad and Heat Sink affording lower Temperature Rise.
- Lowest achievable volume for AC offline applications including lowest achievable Leakage Inductance.
- Multilayer PCB optimization for lowest AC resistance & Proximity Loss Effect. Repeatability by design.
- Wide variety of PNs, Designs and Turns Ratios in stock. If not listed, Contact Us.
- Surface Mount, Thru-Hole, Pad-to-Pad, Embedded Planar Windings as Options.

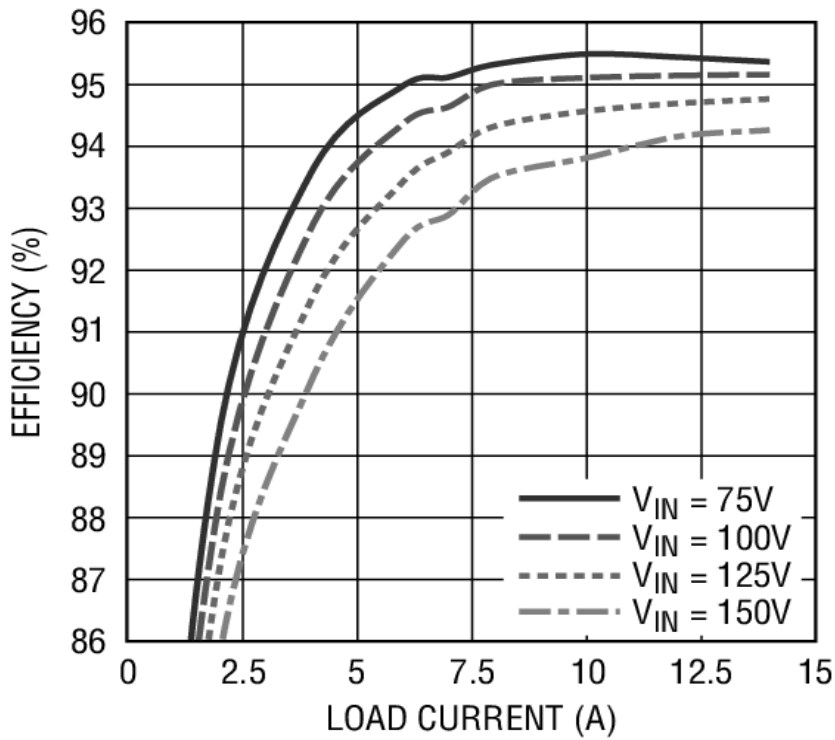
Champs-Tech P26R6-AC_Offline Catalog

Table I: P26R6-AC_Offline Series 38-430 Vin -- Rated to 140-196W Output.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A dc)	Pout (Watts)	Freq (KHz)	Output Inductor PN
P26R6-AC-0603-130R	38	180	12	13.4	160	136	PQI2050-17-14-LTC
P26R6-AC-0606-130R	38	180	24	6.0	144	136	PQA2050-75-7-LTC
P26R6-AC-0607-130R	38	180	28	5.0	140	136	PQA2050-90-LTC
P26R6-AC-0612-130R	38	180	48	3.0	144	136	PQI26-330-LTC
P26R6-AC-0803-200R	50	160	12	12	144	136	PQI2050-17-14-LTC
P26R6-AC-0806-200R	50	160	24	6.0	144	136	PQA2050-75-7-LTC
P26R6-AC-0807-200R	50	160	28	5.0	140	136	PQA2050-90-LTC
P26R6-AC-0812-200R	50	160	48	3.0	144	136	PQI26-330-LTC
P26R6-AC-2004-1M	88	400	12	12	144	100	PQI26-25R-18-HX
P26R6-AC-2006-1M	88	400	18	8.0	144	100	PQI26-58R-10-LTC
P26R6-AC-2008-1M	88	400	24	6.0	144	100	PQI26-130-LTC
P26R6-AC-2010-1M	88	400	28	5.0	140	100	PQI26-155-LTC
P26R6-AC-2016-1M	88	400	48	3.0	144	100	PQI26-330-LTC
P26R6-AC-2604-1M2	150	400	12	15	180	100	PQI26-18R-16-HX
P26R6-AC-2608-1M2	150	400	24	7.5	180	100	PQI26-78R-LTC
P26R6-AC-2610-1M2	150	400	28	5.0	140	100	PQI26-155-LTC
P26R6-AC-2616-1M2	150	400	48	3.5	168	100	PQI26-330-LTC
P26R6-AC-3203-2M	270	400	12	15	180	130	PQI26-15R-17-HX
P26R6-AC-3206-2M	270	400	24	8.0	192	130	PQI26-54R-11-LTC
P26R6-AC-3207-2M	270	400	28	7.0	196	130	PQI26-68R-LTC
P26R6-AC-3212-2M	270	400	48	4.0	192	130	PQI26-220-LTC

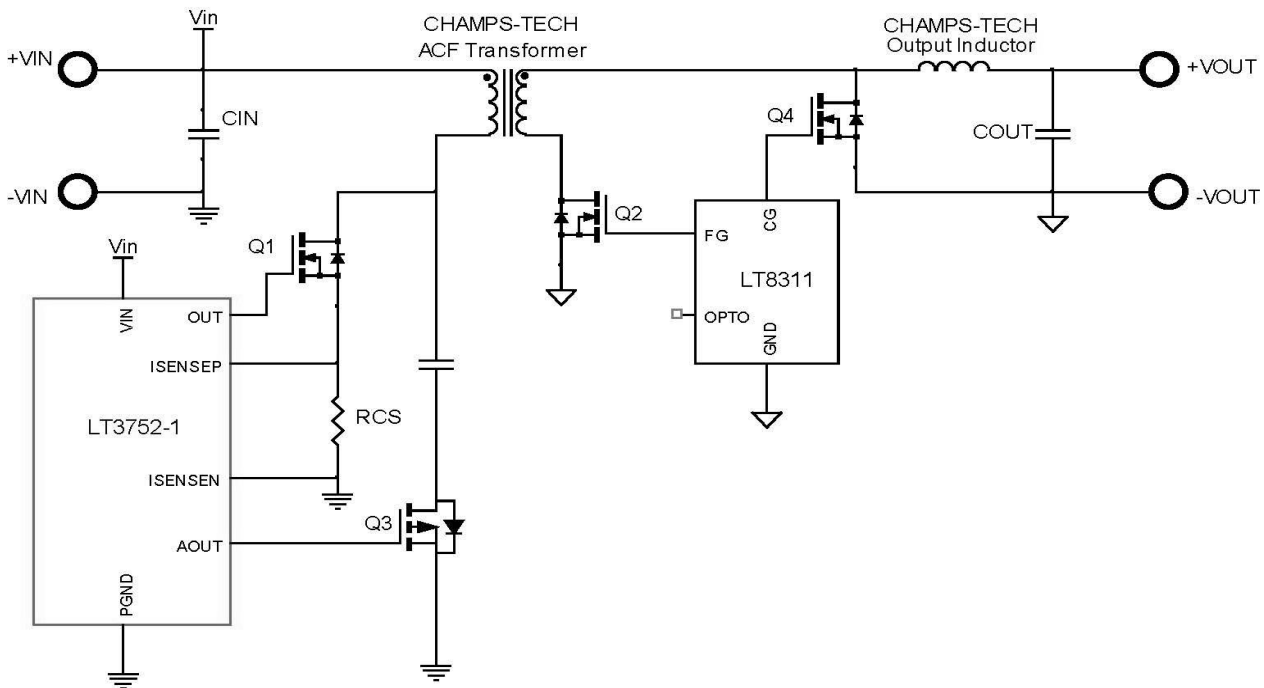
Baseline Reference Design:

<https://www.analog.com/en/design-center/reference-designs/circuit-collections/lt3752-75v-to-150v-24v-14a-340w-no-opto-active-clamp-isolated-forward-converter.html#cc-overview>



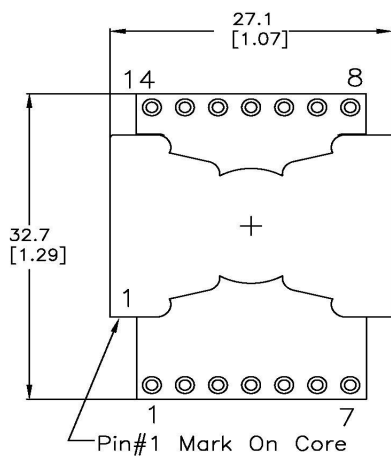
3752 TA08b

Typical Efficiency Curve

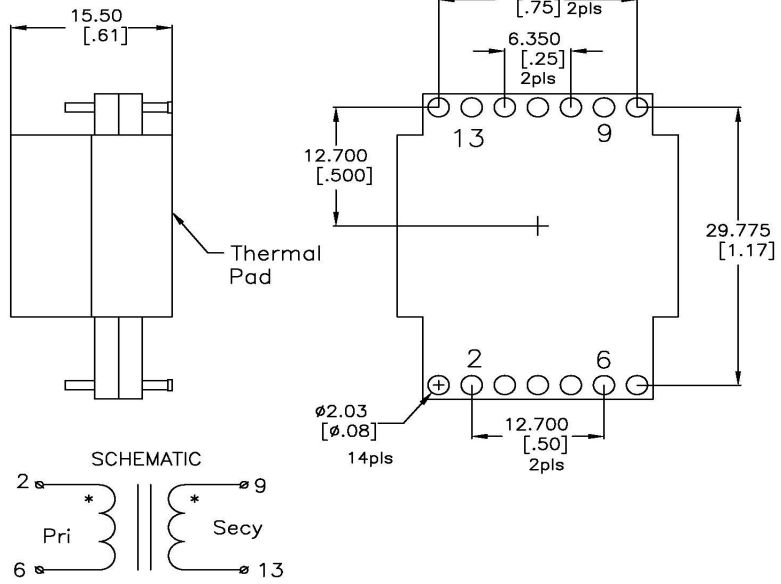


Basic Active Clamp Forward Schematic

MECHANICAL DIMENSIONS [TOP VIEW]

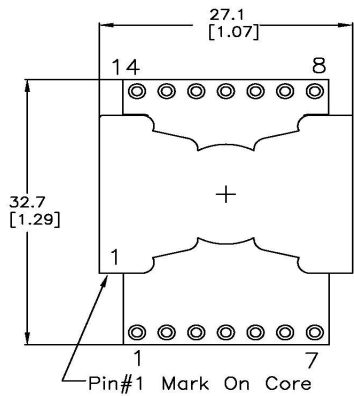


SUGGESTED PAD LAYOUT [PCB TOP VIEW]

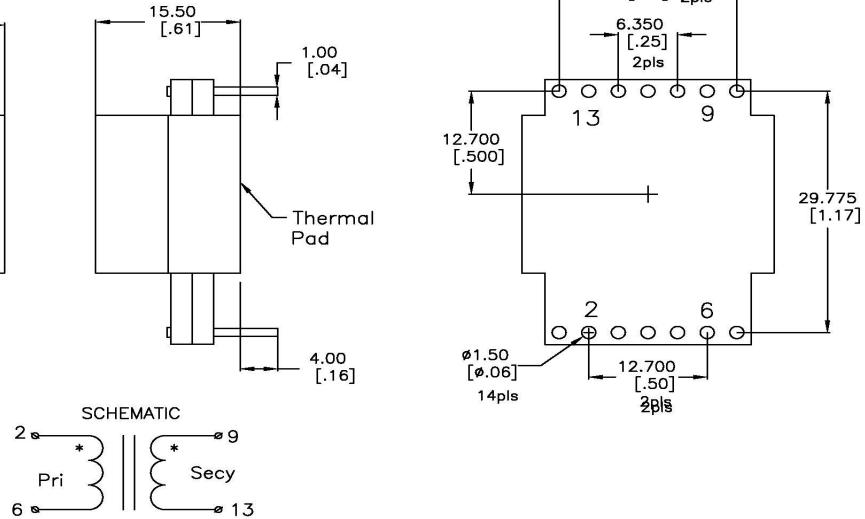


Mechanical Dimensions Drawing P26R6-AC Surface Mount

MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED THRU-HOLE LAYOUT [PCB TOP VIEW]



Mechanical Dimensions Drawing P26R6-AC Thru-Hole