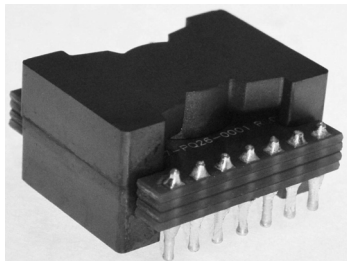


Low Profile Wide Vin & Offline Active Clamp Forward : 19-420Vin to 12Vout 120W



- Footprint: 27 wide x 31.5 mm length x 11 mm Height -- Low Profile
- Meets UL and IEC 60950-1 Clearance/Creepage Class II, Reinforced Insulation, Peak Working Voltage 1400Vpk
- Meets IEC 61180-1 Peak Impulse Withstand Voltage 6KV.
- Derived from customer verification in Analog / Linear Ref Design using LT3752 & LT8311 ICs.
- Optimized for Active Clamp Forward Topology & Wide Input Range.
- Typical Efficiency 93-94%. Typical Temperature Rise 45C 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.

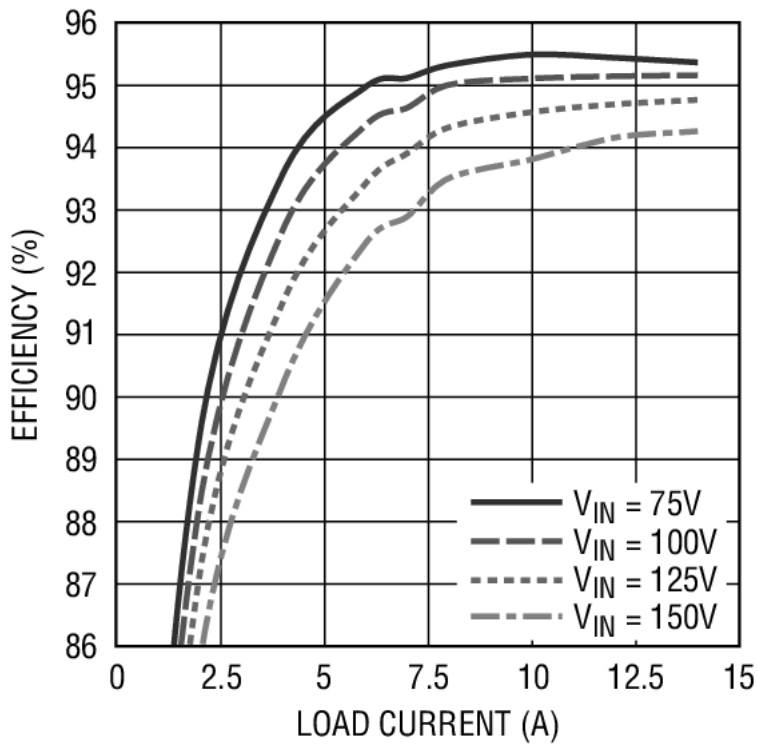
Champs-Tech P26R26LF-AC_Offline Catalog

Table I: P26R26LF-AC_Offline Series 38-430 Vin -- Rated to 120W Output.

Champs PN	Vin (Min)	Vin (Max)	Vout	Iout (A _{dc})	Pout (Watts)	Freq (KHz)	Output Inductor PN
P26R26LF-AC-0303	19	72	12	10.0	120	136	PQI2050-21-11p5-LTC2
P26R26LF-AC-0603	38	180	12	10.0	120	136	PQI2050-21-11p5-LTC2
P26R26LF-AC-3203-2M2	270	420	12	10.0	120	130	PQI2050-21-11p5-LTC2

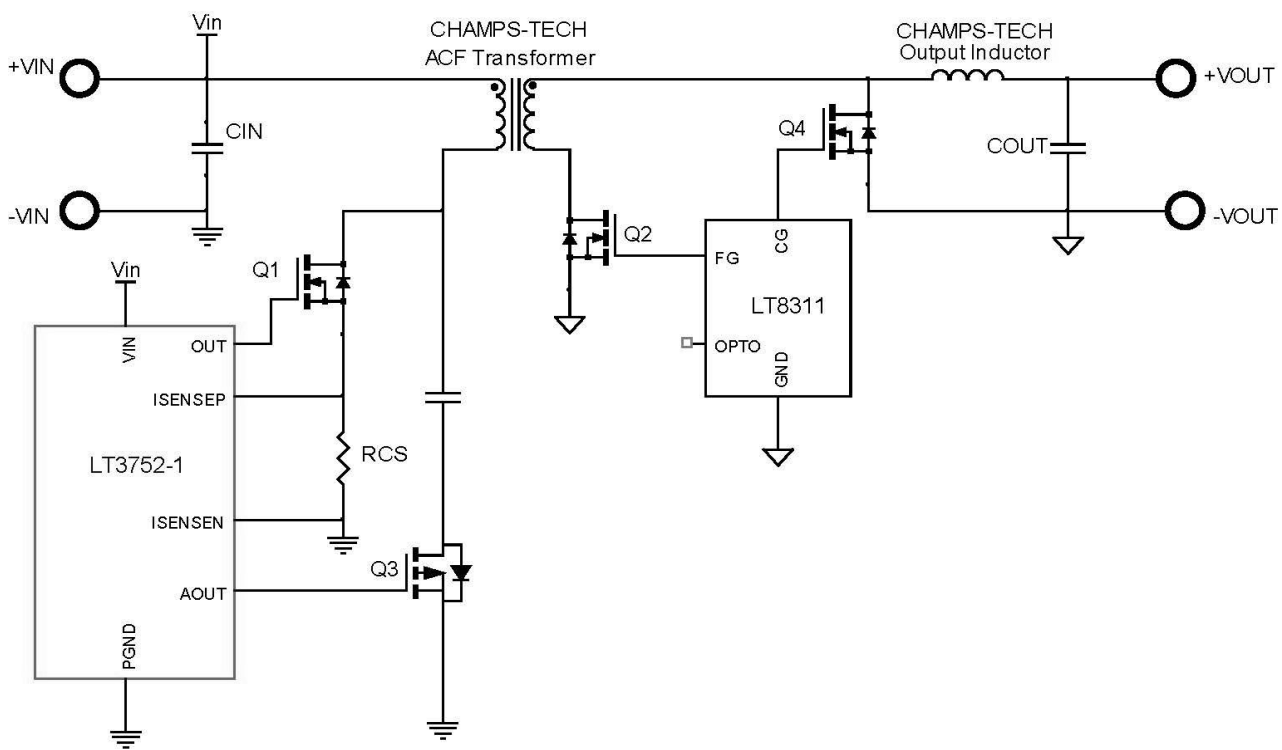
Baseline Reference Design:

<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>



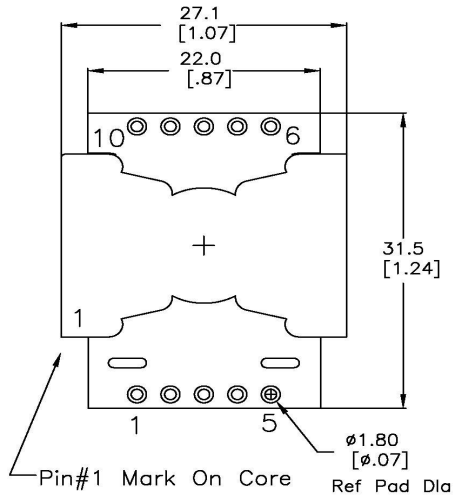
3752 TA08b

Typical Efficiency Curve

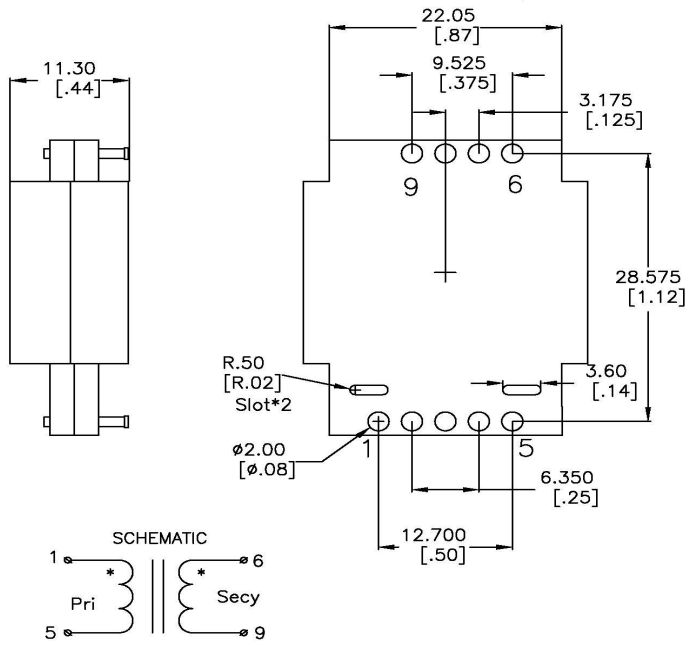


Basic Active Clamp Forward Schematic

MECHANICAL DIMENSIONS [TOP VIEW]

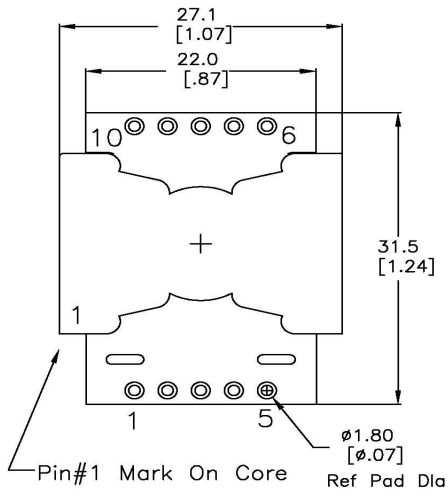


SUGGESTED PAD LAYOUT [PCB TOP VIEW]

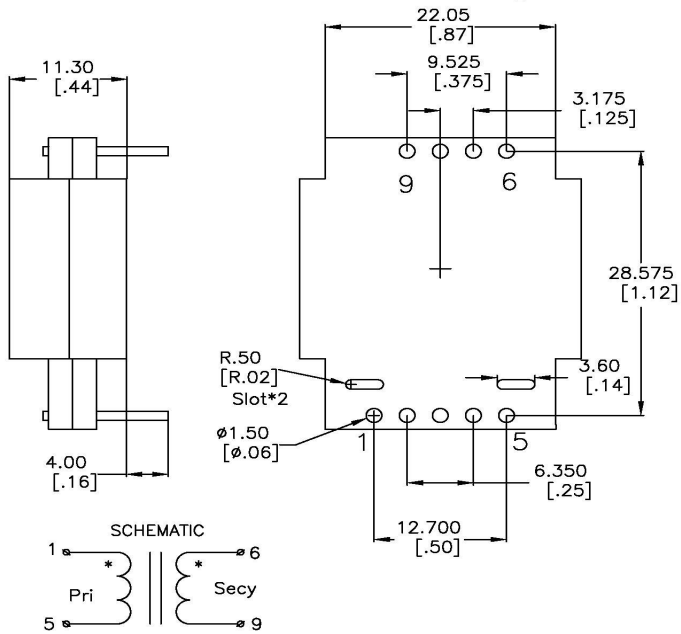


Mechanical Dimensions Drawing P26R26LF-AC Surface Mount

MECHANICAL DIMENSIONS [TOP VIEW]



SUGGESTED PAD LAYOUT [PCB TOP VIEW]



Mechanical Dimensions Drawing P26R26LF-AC Thru-Hole