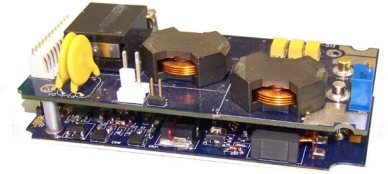




300 WATT ULTRA WIDE INPUT DC-DC CONVERTER HAS 130 – 300 VDC INPUT VOLTAGE RANGE AND BUILT-IN INPUT EMI FILTER



FEATURES/BENEFITS

- **Self-contained DC-DC Converter:** Fully Functional; Needs No Additional External Capacitors or Components
- **Metal Baseplate:** Provides conductive cooling path to heatsink
- **Internal Multi-mode EMI Filter:** Limits Conducted Emissions
- **200kHz Current Mode Forward Topology:** Fully Regulated Output With Low Ripple and Fast Transient Response Time
- **On-Off Control Function:** Activation Inhibits Output
- **Short Circuit Limited:** Protected Against Output Overloads and Short Circuits
- **Fully Isolated:** Inputs to Outputs and Case 1000VDC, Outputs to Case 100VDC
- **Transients Tolerant:** Works Through Any Voltage Excursion Within the Input Range
- **Compact Construction:** Small Footprint with Long Life and Reliable Operation in Severe Operational Environments
- **Two Grades Available:** Economical, Effective Tailoring to Applications Requirements

3630

MODEL: 3630

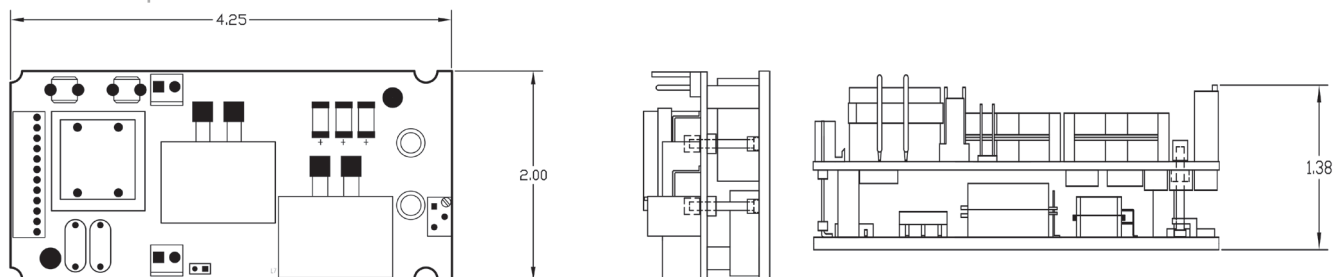
INPUT RANGE : 130-300VDC

SINGLE OUTPUT

PARAMETER	CONDITION	UNITS	OUTPUTS
Vout	Setpoint ± 2%	DC Volts	24
Iout	Vin min-max	Amperes	12.5
Efficiency	Rated Load	Percent Typ	85
Line Reg	Vin min-max	mV max	75
Load Reg	10% to Rated Load	mV max	200
Vout Ripple	Rated Load, 20MHz BW	mVpp max	250

MECHANICAL SPECIFICATIONS

Size	4.25 L x 2.00 W x 1.38 H inch
Enclosure	Open configurable to customer requirements
Construction	Metal baseplate
Pins	.022 Control and Input, .080 output configurable to customer requirements
Weight	200g typical
Mounting	Chassis (CH) mount, any orientation provided baseplate is heatsunk



130-300VDC INPUT DC-DC CONVERTERS

PIN FUNCTIONS

	1	2	3	4	5	6	7
Function	Case	+ Input	Vin Rtn	On-Off Control	Case	Vout Rtn	+ Vout

DATA 25°C BASEPLATE PRODUCTS AND SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PART NUMBERING CONSTRUCTION KEY

MODEL

3630

OUTPUT TYPE & VOLTAGE

SINGLE
S24

ENCLOSURE

MOUNTING
C = CHASSIS

GRADE

GRADE LEVEL
C = COMMERCIAL
R = RUGGED

EXAMPLE: 3630-S24CR

RELEASED 2016-09-27