

30 WATTS - CAQ SERIES

Quasi-Regulated, Triple Output

FEATURES

- 87% Typical Efficiency
- Industry Standard Package and Pin-Out
- No Derating to +85°C Case Temperature
- Current Limiting Short Circuit Protection
- Thermal Shutdown with Auto-Recovery
- Low Profile Package
- Ten Year Warranty

THE CAQ SERIES FROM WALL INDUSTRIES

The CAQ Series of triple output DC/DC converters performs over a wide input voltage range (2:1), providing indefinite short circuit and overvoltage protection. Without a heatsink, the CA Series' design technology allows for up to 30 watts output power from a 3.0" x 3.0" x 0.40" case. These quasi regulated converters are designed to maximize efficiency and provide the power needed for board level applications.



SPECIFICATIONS: CAQ SERIES

All specifications apply @ +25 C ambient unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltages.....20-60,36-75VDC
 Nominal Input.....36,48VDC
 Input Filter.....LC Input Filter

OUTPUT SPECIFICATIONS

Output Current.....See table
 Output Voltage Tolerance
 Output Trim.....±10%
 Line Regulation: full load.....±0.5%
 Load Regulation: (25-100% load).....±10%
 Ripple/Noise (20MHz BW).....75mV P-P
 Short Circuit Protection.....Current Limiting
 Over Voltage Protection.....See table

GENERAL SPECIFICATIONS

Efficiency: at full load87% (typical)
 Isolation Voltage, input to output500VDC
 Isolation Resistance, input to output500MW
 Switching Frequency250kHz (typical)

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature-25 to +85°C (case)
 Storage Temperature-55 to +100°C
 Humidity (non-condensing)20% to 95% R.H.

PHYSICAL SPECIFICATIONS

ShieldingSix-Sided
 Weight.....approx. 4 oz.
 Dimensions3.0 x 3.0 x 0.40"
 Case MaterialBlack coated metal,
non-conductive baseplate

Due to advances in technology, specifications subject to change without notice.

Input Voltage (VDC)	Output Voltage (VDC)	Output Current (Amps)	Over Voltage Set Point (VDC)	Model Number
20 - 60	5/± 12	4/0.416	6.2/15	CAQ36T12-30
	5/± 15	4/0.333	6.2/18	CAQ36T15-30
36 - 75	5/± 12	4/0.416	6.2/15	CAQ48T12-30
	5/± 15	4/0.333	6.2/18	CAQ48T15-30

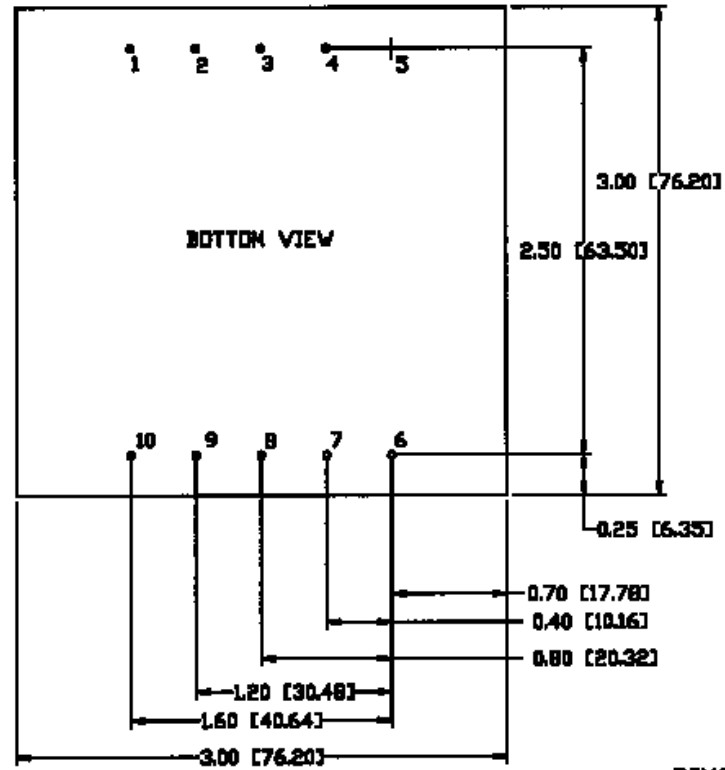
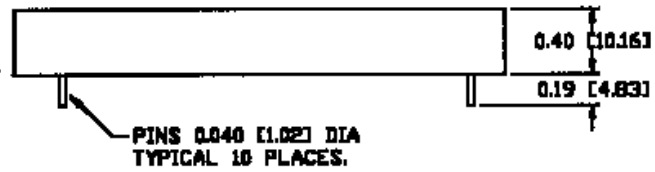
NOTES:

1. All case and pin to case dimensions reference only unless otherwise noted.
2. All DC/DC converters should be externally fused on the front end for protection.

PIN CONNECTIONS

1	Remote On/Off
2	Case
3	+ Vin
4	- Vin
5	No pin
6	-12, -15 Vout
7	+12, +15 Vout
8	Output Common
9	+5 Vout
10	Output Adjust

HEADER PLATE PERTRUDES
0.006; TYPICAL FOUR SIDES.



DIMS: IN [MM]