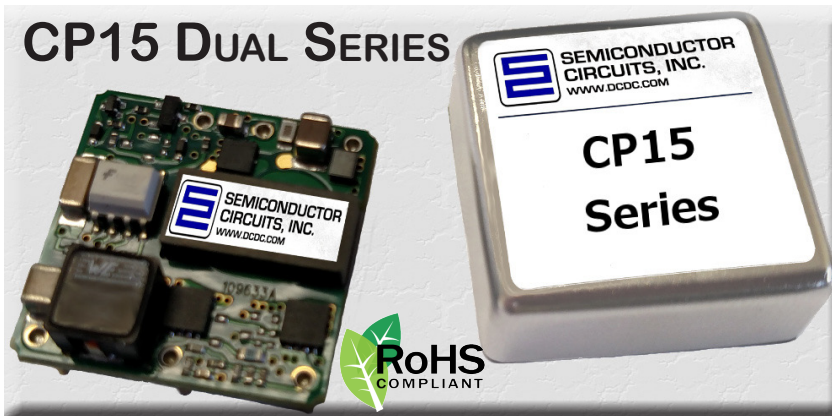


CP15 DUAL SERIES



DC/DC

15W Output Power

- INPUT RANGE: 9 - 36 V_{DC}
OR 18 - 75 V_{DC}
- INDUSTRY COMPLIANT
- HIGH EFFICIENCY
- REMOTE SHUTDOWN
- UNDERVOLTAGE LOCKOUT w/HYST

Specifications

INPUT

Voltage Range 9 - 36 V_{DC}
OR 18 - 75 V_{DC}
Remote ON/OFF control Neg. or Pos.
UVLO w/hysteresis

OUTPUT

Nominal Output ± 5 , ± 12
or ± 15 V_{DC}
Setpoint accuracy $\pm 1.5\%$
Ripple and Noise 50mV Pk-Pk
Short Circuit Protection Auto-restart

GENERAL

Efficiency 86% TYP
Isolation (open frame) 2250V_{DC}
Isolation (encapsulated) 1600V_{DC}

ENVIRONMENTAL

Operating Temperature -40 - +85°C
Storage Temperature -40 - +125°C

The 15 Watt CP15 1x1 4:1 input dual output series high performance DC-DC converter offers high efficiencies of 86% typical. The high efficiency of the CP15 series allows for minimal derating over a wide ambient temperature range. Additional features include remote on/off control logic (negative or positive enable) and an operating temperature range of -40°C to +85°C (w/ derating - see full datasheet.) Unit conforms to industry standard footprint & feature set. Units are through-hole (open frame or Encapsulated) or SMT (open frame only) mount to fit into typical PCB assembly processes.

Applications

These units are ideally suited for industrial, telecom, instrumentation, data processing and networking applications.



CP15 Dual 4:1 Series Ordering Information

Model Number*	Vout (Volts)	Iout (A, max)	Power (W)	Vin Nom. (Volts)	Input Range (Volts)	Ripple (mV P-P)	Efficiency (Full Load)
CP15B2130018P	±5	±1.5	15	24	9 - 36	50	85%
CP15B2212518P	±12	±0.625	15	24	9 - 36	50	86%
CP15B2310018P	±15	±0.50	15	24	9 - 36	50	86%
CP15B2130036P	±5	±1.5	15	48	18 - 75	50	84%
CP15B2212536P	±12	±0.625	15	48	18 - 75	50	85%
CP15B2310036P	±15	±0.50	15	48	18 - 75	50	85%

*Change "B" to "C" for encapsulated model - Eg. CP15C2212518P for encapsulated model

*Change "P" suffix to "N" for negative ON/OFF enable logic

*Add "S" to end of CP15B P/N for SMT version - example: CP15B2310036PS

Mechanical Outline & Pin Assignments

Pin Assignment

- | | | |
|----|--------|---|
| 1. | + Vin | • All dimensions are in inches [mm] |
| 2. | - Vin | • Pins are lead-free (ROHS). |
| 3. | On/Off | • Pins are 0.040" [1.0mm] Diameter |
| 4. | - Vout | • SMT pins are 0.070" [1.78mm] Diameter (not shown) |
| 5. | Common | • Pin material: Copper/brass |
| 6. | + Vout | • Pin Finish: Gold flash over nickel |

