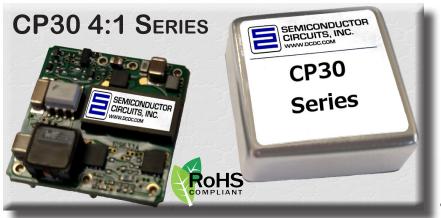
# GOOL POWER TECHNOLOGIES™ CP30 1x1 4:1 SERIES



#### **Specifications**

INPUT Voltage Range

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

## OUTPUT

Nominal Output

12 or 24 VbcSetpoint accuracy+/-1.5%Trim Range+/-10%Ripple and Noise50mV Pk-PkShort Circuit ProtectionAuto-restart

3.3, 5.0,

### GENERAL

Efficiency89% TYPIsolation (open frame)2250VpcIsolation (encapsulated)1600Vpc

ENVIRONMENTAL

Operating Temperature-40 - +85CStorage Temperature-40 - +125C



# **30W Output Power**

- INPUT RANGE: 9 36 VDC OR 18 - 75 VDC
- INDUSTRY COMPLIANT
- HIGH EFFICIENCY
- REMOTE SHUTDOWN
- UNDERVOLTAGE LOCKOUT W/HYST

he 30 Watt CP30 1x1 4:1 input series high performance DC-DC converter offers high efficiencies of 89% typical. The high efficiency of the CP30 series allows for minimal derating over a wide ambient temperature range. Additional features include output voltage trim, 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 including 'bus' converter applications.



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Model Number*	Vout	lout	Power	Vin Nom.	Input Range	Ripple	Efficiency
	(Volts)	(A, max)	(W)	(Volts)	(Volts)	(mV P-P)	(Full Load)
CP30B1775018P	3.3	7.5	25	24	9 - 36	50	88%
CP30B1160018P	5	6	30	24	9 - 36	50	89%
CP30B1225018P	12	2.5	30	24	9 - 36	50	89%
CP30B1412518P	24	1.25	30	24	9 - 36	60	<b>89</b> %
CP30B1775036P	3.3	7.5	25	48	18 - 75	50	88%
CP30B1160036P	5	6	30	48	18 - 75	50	89%
CP30B1225036P	12	2.5	30	48	18 - 75	50	89%
CP30B1412536P	24	1.25	30	48	18 - 75	60	89%

#### CP30 4:1 Series Ordering Information

\*Change "B" to "C" for encapsulated model - Eg. CP30C1775018P for encapsulated model \*Change "P" suffix to "N" for negative ON/OFF enable logic, blank = no enable or trim pins \*Add "S" to end of CP30B P/N for SMT version - example: CP30B1160036PS

Note: Voltages below 3.3V or above 15V available upon request - consult factory

Mechanical Outline & Pin Assignments

