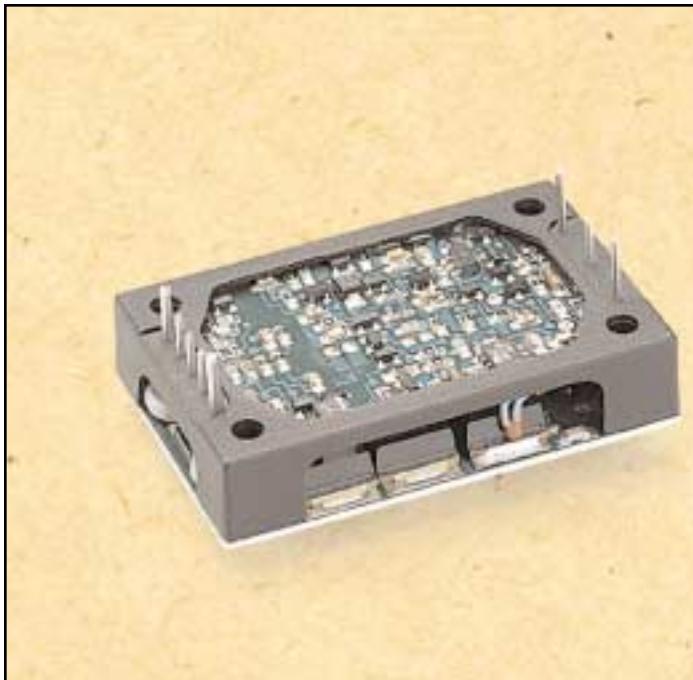


**EBQ SERIES
INDUSTRY STANDARD QUARTER BRICK****FEATURES**

- High Efficiency - 86% @ 3.3V @ 10A (typical)
- Overcurrent Protection
- Remote Sense
- Remote On/Off (primary referenced, negative or positive logic)
- Output Voltage Adjustment (trim)
- Water Washable
- Heatsink Mountable
- Fixed Frequency
- UL/CUL 1950 and EN60950 pending
- CE mark, LVD, (48Vin only) pending

THE EBQ SERIES FROM WALL INDUSTRIES

The EBQ Series of DC/DC Converters is a single output, highly efficient, high reliability and low cost design, to meet the needs of today's power requirements. The EBQ Series perform exceptionally well in Telecom, Networking and Industrial Applications.

**SPECIFICATIONS: BQ SERIES****INPUT SPECIFICATIONS**

Input Voltage Range.....	36-75VDC
Nominal Input.....	.48VDC
Remote On/Off.....	ref. -Vin (see note 1)

OUTPUT SPECIFICATIONS

Output Current.....	See table
Voltage Tolerance.....	±2%
Line Regulation(LL-HL).....	±0.1%
Load Regulation.....	±0.1%
Short Circuit Protection Inception.....	125%
Ripple/Noise.....	200mV pk-pk, 20MHz BW
External Trim Voltage Range.....	±10%
Short Circuit	Continuous and Auto Recovery
Switching Frequency.....	400kHz (typ)

GENERAL SPECIFICATIONS

Efficiency.....	Model Specific, Consult Factory
Isolation Voltage, input to output.....	1500VDC min.
Isolation Resistance.....	100MOhms
Minimum Load.....	Varies by model, consult factory

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature.....	-40°C to +100°C Case
Storage Temperature.....	-55°C to +125°C
Temperature Coefficient.....	0.02%/°C

PHYSICAL SPECIFICATIONS

Package size.....	2.28" X 1.45" X 0.50"
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All specifications apply at +25°C ambient unless otherwise noted.

Input Voltage	Output Voltage	Output Current (Amps)	Model Number	Ripple/Noise pk-pk (mV)
36-75	1.8	10A	EBQ48S1.8-18ART	200
	1.8	15A	EBQ48S1.8-27ART	200
	2	10A	EBQ48S2-20ART	200
	2	15A	EBQ48S2-30ART	200
	2.5	10A	EBQ48S2.5-25ART	200
	2.5	15A	EBQ48S2.5-38ART	200
	3.3	10A	EBQ48S3.3-33ART	200
	3.3	15A	EBQ48S3.3-50ART	200

note: 1) "A" suffix is for open construction

NOTES:

- 1) For positive logic, Remote ON/OFF, remove "R" suffix
- 2) Standard lead length .125"
- 3) For other input voltages, please contact the factory at 1 (888) 597-WALL.
- 4) Suffix "T" is TYCO® compatible trim resistor values.

