



**POWER MATE
TECHNOLOGY CO., LTD.**
NO. 36, Road 22nd, Taichung, Industrial
Park, Taichung, Taiwan, R.O.C.
TEL: 886-4-23590868
FAX: 886-4-23591338



**DC/DC
CONVERTERS**
MARKETING DEPT.
DIRECT LINE: 886-4-23591087
FAX: 886-4-23591337
E-mail: sale@pduke.com
Http://www.pduke.com

FDC15-48S110

DC/DC CONVERTER SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

All specifications are typical at 48VDC input ,full load ,and 25
unless otherwise noted.

INPUT SPECIFICATIONS

Input Voltage Range, 48V nominal _____ 20 to 72 VDC.
Input Filter --- Internal π Filter without an external filter capacitor.

OUTPUT SPECIFICATIONS

Voltage Accuracy _____ $\pm 2\%$
External Trim Adjustment Range _____ $\pm 10\%$ typ.
Ripple and Noise, 20MHz BW _____ 100mV P-P max.
50mV RMS max.
Line Regulation , HL-LL _____ $\pm 0.2\%$
Load Regulation, FL-1/4FL _____ $\pm 0.2\%$
FL-NL _____ $\pm 1.0\%$
Temperature Coefficient _____ $\pm 0.02\%/$
Transient Recovery Time (25% Load Step Change) _____ 500 μ S Max.
Peak Voltage _____ 1V Max.
Short Circuit Protection _____ Indefinite

REMOTE ON/OFF CONTROL

Control Voltage Referenced to Input Minus
Compatability _____ Cmos , TTL
On-Control _____ 5.5V min. or Open
Off-Control _____ 1.8V max. or Short



**POWER MATE
TECHNOLOGY CO., LTD.**
NO. 36, Road 22nd, Taichung, Industrial
Park, Taichung, Taiwan, R.O.C.
TEL: 886-4-23590865
FAX: 886-4-23591338



**DC/DC
CONVERTERS**
MARKETING DEPT.
DIRECT LINE: 886-4-23591087
FAX: 886-4-23591337
E-mail: sale@pduke.com
Http://www.pduke.com

GENERAL SPECIFICATIONS

Switching Frequency _____ 260KHz, typ.
Isolation Voltage _____ 1600VDC, min
Isolation Resistance _____ 10^9 Ohms, min

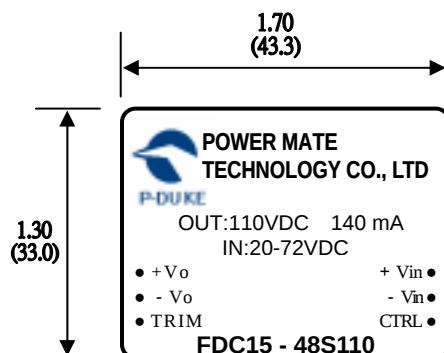
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature Range _____ -25 to +71
Storage Temperature Range _____ -55 to +125
Cooling _____ Free-air Convection
EMI/RFI _____ Six sided Continuous Shield

PHYSICAL SPECIFICATIONS

Case Material _____ Nickel-Coated Copper with
Non-Conductive Base
Dimensions _____ 2.0× 1.6× 0.4 Inches
(50.8× 40.6× 10.2mm)

MODEL NUMBER	INPUT RANGE	OUTPUT VOLTAGE	OUTPUT CURRENT	% EFF
FDC15-48S110	20-72VDC	110VDC	140mA	84





DC/DC
CONVERTERS
MARKETING DEPT.
DIRECT LINE: 886-4-23591087
FAX: 886-4-23591337
E-mail: sales@pduke.com
[Http://www.pduke.com](http://www.pduke.com)

Pin Connections	
Pin#	FDC15-48S110
1	+Vin
2	-Vin
3	No Pin
4	Ctrl
5	No Pin
6	+Vout
7	Common
8	Trim

Dimensions in inches and (mm)
Tolerance .xx=±0.02
.xxx=±0.005