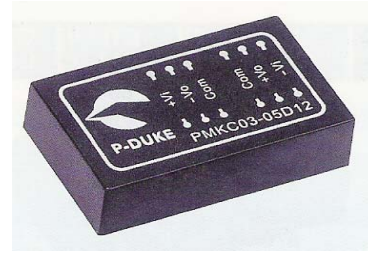


3 Watt DC-DC Converter, PMKC03 Series, (Single & Dual Output).

- * 2:1 Input Ranges
- * Pi Input Filter
- * Isolated & Regulated Output
- * Short Circuit Protection
- * Single, Dual & Dual Separate Outputs
- * Convection Cooled



Electrical Specification, All specifications are typical at nominal input, full load, and 25°C
 Input Voltage Ranges 5 Volts Nominal = 4.5 to 6 Volts, 12 Volts Nominal = 9 to 18 Volts
 24 Volts Nominal = 18 to 36 Volts, 48 Volts Nominal = 36 to 75 Volts

Input Filter	Pi Filter
Output Voltage Accuracy (Full Load & Nom Vin)	+/-2%
Line Regulation (LL to HL @ Full Load)	Standard +/-0.2%
	DS Type +/-0.5%
Load Regulation (25 to 100% FL)	Single +/-0.2%
	Dual +/-2%
	DS +/-0.5%
Temperature Coefficient	+/-0.02% / *C
Short Circuit Protection	Continuous, automatic recovery
Transient Response Recovery Time	25% Load Step Change = 500uS, typ
Switching Frequency	100 KHz
Isolation Voltage	Input to Output : 1600 VDC
	DS Type, Output 1 to Output 2 : 500VDC
Operating Temperature Range	-25 to +71°C
Storage Temperature Range	-55 to +105°C
Cooling	Free Air Convection
MTBF	3.706 x10 to the 6 Hours
Case Material	Non-conductive black plastic
Dimensions	31.8 x 20.3 x 10.2mm

Single Output Models, (Scroll down for Dual Outputs)

Model Number	Input Range VDC	Output Voltage DC	Output Current	Efficiency
PMKC03-05S33	4.5~6	3.3	600 mA	66%
PMKC03-05S05	4.5~6	5.0	600 mA	70%
PMKC03-05S12	4.5~6	12	250 mA	75%
PMKC03-05S15	4.5~6	15	200 mA	75%
PMKC03-12S33	9~18	3.3	600 mA	70%
PMKC03-12S05	9~18	5.0	600 mA	75%
PMKC03-12S12	9~18	12	250 mA	79%
PMKC03-12S15	9~18	15	200mA	79%
PMKC03-24S33	18~36	3.3	600 mA	70%
PMKC03-24S05	18~36	5.0	600 mA	76%
PMKC03-24S12	18~36	12	250 mA	80%
PMKC03-24S15	18~36	15	200mA	80%
PMKC03-48S33	36~75	3.3	600 mA	72%
PMKC03-48S05	36~75	5.0	600 mA	75%
PMKC03-48S12	36~75	12	250 mA	79%
PMKC03-48S15	36~75	15	200mA	79%

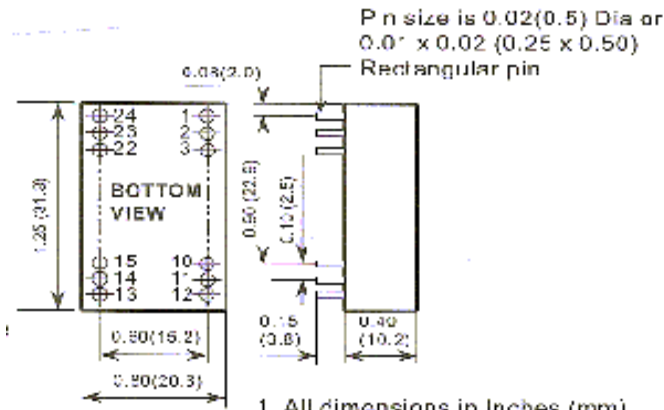
Cont ... 3 Watt DC-DC Converter, PMKC03 Series.

Dual Output Models, (Please See Above For Single Output Models)

Model Number	Input Range VDC	Output Voltage VDC	Output Current	Efficiency
PMKC03-05D05	4.5~6	+/-5	+/-300 mA	73%
PMKC03-05D12	4.5~6	+/-12	+/-125 mA	75%
PMKC03-05D15	4.5~6	+/-15	+/-100 mA	73%
PMKC03-05DS05	4.5~6	5V, 5V	300mA, 300mA	73%
PMKC03-05DS12	4.5~6	12V, 12V	125mA, 125mA	75%
PMKC03-05DS15	4.5~6	15V, 15V	100mA, 100mA	73%
PMKC03-12D05	9~18	+/-5 V	+/-300mA	74%
PMKC03-12D12	9~18	+/-12 V	125mA	79%
PMKC03-12D15	9~18	+/-15 V	100mA	79%
PMKC03-12DS05	9~18	5V, 5V	300mA, 300mA	74%
PMKC03-12DS12	9~18	12V, 12V	125mA, 125mA	79%
PMKC03-12DS15	9~18	15V, 15V	100mA, 100mA	78%
PMKC03-24D05	18~36	+/-5V	+/-300mA	76%
PMKC03-24D12	18~36	+/-12V	+/-125mA	79%
PMKC03-24D15	18~36	+/-15V	+/-100mA	79%
PMKC03-24DS05	18~36	5V, 5V	300mA, 300mA	76%
PMKC03-24DS12	18~36	12V, 12V	125mA, 125mA	79%
PMKC03-24DS15	18~36	15V, 15V	100mA, 100mA	79%
PMKC03-48D05	36~75	+/-5V	+/-300mA	77%
PMKC03-48D12	36~75	+/-12V	+/-125mA	79%
PMKC03-48D15	36~75	+/-15V	+/-100mA	79%
PMKC03-48DS05	36~75	5V, 5V	300mA, 300mA	77%
PMKC03-48DS12	36~75	12V, 12V	125mA, 125mA	79%
PMKC03-48DS15	36~75	15V, 15V	100mA, 100mA	79%

Note : DS Version = Dual Separate Outputs

Mechanical Drawing / Pin Out Connections.



1. All dimensions in Inches (mm)
2. Pin pitch tolerance ± 0.014 (0.35)

Pin	Single	Dual	DS	Pin	Single	Dual	DS
1	+ V in	+ V in	+ V in	24	+ V in	+ V in	+ V in
2	NC	- V out	- V1 out	23	NC	- V out	- V1 out
3	NC	Com	+ V1 out	22	NC	Com	+ V1 out
10	- V out	Common	- V2 out	15	- V out	Com	- V2 out
11	+ Vout	+ V out	+ V2 out	14	+ V out	+ V out	+ V2 out
12	- V in	- V in	- V in	13	- V in	- V in	- V in

Surface Mount option available, please contact the ALL PSU office for more information

Specifications may change without notice, E&OE. ALL PSU Terms & Conditions Apply.

*Further DC-DC Converters Are Available From 0.5 to 2400 Watts
Please Visit www.allpsu.co.uk Or Contact Sales Office For More Details.*

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