



ETA-USA

High Quality Switching Power Supplies

3ch

185W

DC22~32V/36~72V
DC220~400V

DC/DC CONVERTER

HIGH DENSITY MODULE

TRIPLE-OUTPUT

EPKJ-00C SERIES



EPKJ-00C300 (DC300V)

61X116.8X12.7 (mm)

MODEL	OUTPUT		EFFICIENCY
	VOLTAGE	CURRENT	
EPKJ01C300	5V	1.75~35A	73%
	12V	0~3A	
	12V	0~3A	
EPKJ04C300	5V	1.75~35A	73%
	15V	0~3A	
	15V	0~3A	

5V 185W

The EPKJ-00C DC/DC converter has isolation between primary and secondary, and is the most advanced high density high efficiency modular power supply components.

These modules are designed to reduce product development time, enhance system performance, is ideal for cost-conscious designs by simple circuit diagram.

The EPKJ-00C provides a fast and economical route to complete power supply for demanding Industrial, Telecommunication and Computer applications

EPKJ-00C28 (DC28V)

61X116.8X12.7 (mm)

MODEL	OUTPUT		EFFICIENCY
	VOLTAGE	CURRENT	
EPKJ01C28	5V	1.75~35A	71%
	12V	0~3A	
	12V	0~3A	
EPKJ04C28	5V	1.75~35A	71%
	15V	0~3A	
	15V	0~3A	

EPKJ-00C48 (DC48V)

61X116.8X12.7 (mm)

MODEL	OUTPUT		EFFICIENCY
	VOLTAGE	CURRENT	
EPKJ01C48	5V	1.75~35A	73%
	12V	0~3A	
	12V	0~3A	
EPKJ04C48	5V	1.75~35A	73%
	15V	0~3A	
	15V	0~3A	

Special Features

1. Flexible power(MAX. power 185Watts)
2. High Reliability... 1 million hours MTBF
3. Wide Circumstances Operation----10°C-85°C baseplate operating temperature.
4. Remote Control
5. OVP, OCP, OTP, Output monitoring
6. UL950, C-UL(CSA) , TÜV approved (except EPKJ-00C28)

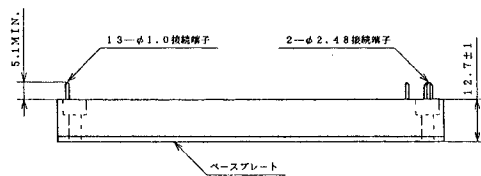
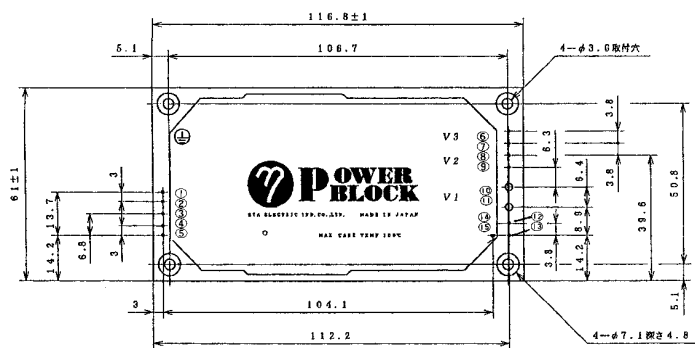
Applications

Processcontrol, Office-Equipment, Computer Peripherals, Telecommunication, Industrial Electronics and Machines, Household-Equipment

EPKJ-OOC / Specification

Model (Input Voltage)	EPKJ01C		EPKJ04C			
	28	48	300	28	48	300
Output						
Voltage	V1 : 5V, 2V : 12V, V3 :12V			V1 : 5V, 2V : 15V, V3 :15V		
Voltage torerance	(Output V) ± 1% MAX.					
Ripple & noise	(Output V) X 3 %MAX (V1), X 1 %MAX. (V2, V3)					
Line regulation	(Output V) X 0.2 %MAX. (V1), X 0.1 %MAX. (V2, V3)					
Load regulation	(Output V) X 0.2 %MAX. (V1), X 0.5 %MAX. (V2,V3)					
Temperature coefficient	0.02 [%/°C] MAX (V1), 0.06 [%/°C] TYP. (V2, V3)					
Drift / Time effect	(Output V) X 0.5 %MAX.					
Rize time	100Ms MAX (28V, 48DC Input) /300Ms MAX. (300DC Input)					
Isolation						
Isolation voltage						
Input - Output	2000VAC 1 Minute (48, 300VDC Input) /500VAC 1 Minute (28VDC Input)					
Input - Case	2000VAC 1 Minute (48, 300VDC Input) /500VAC 1 Minute (28VDC Input)					
Output - Case	500VDC 1 Minute					
Isotation resistance						
Input - Output - Case	50M O MIN. (500VDC)					
Environment						
Operating temperature	-10~85°C					
Storage temperature	- 40~100°C					
Humidity	95%RH MAX.					
Vibration	(5~55Hz) 2G X, Y, Z Each					
Shock	20G					
Additional functions						
Over current protection						
Wieght	255g					

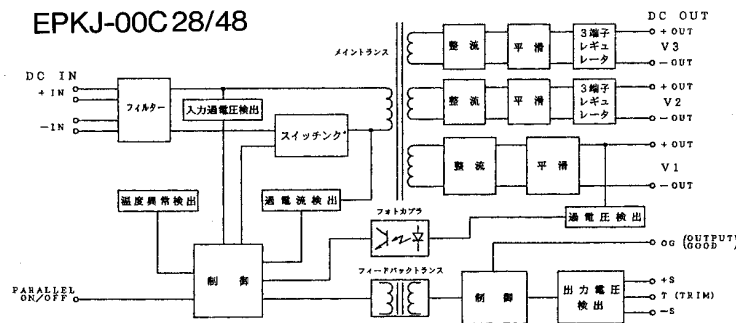
Dimention (mm)



* 指示無き寸法公差は ± 0.5 とする

Block Diagram

EPKJ-00C 28/48



※EPKJ-00C300については、別途ご確認下さい。

Terminal Connection

terminal NO.	connection	terminal NO.	connection	terminal NO.	connection
1	-IN	6	+OUT	11	+OUT
2	-IN	7	-OUT	12	+S
3	PARALLEL ON/OFF	8	+OUT	13	-S
4	+IN	9	-OUT	14	OG
5	+IN	10	-OUT	15	T

ETA-USA

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