

PP10-5 Specifications

NEMIC-LAMBDA

PA508-01-01

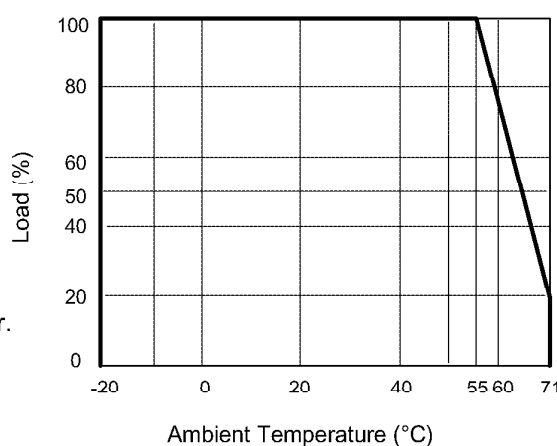
MODEL			PP10-5-5	PP10-5-12	PP10-5-15
ITEMS					
1	Nominal Output Voltage	V	5	12	15
2	Maximum Output Current	A	1.6	0.7	0.6
3	Nominal Output Power	W	8.0	8.4	9.0
4	Efficiency (Typ) (*1)	%	72	72	72
5	Input Voltage Range	-	5VDC (4.5 ~ 7.2VDC)		
6	Input Current (Typ) (*1)	A	2.22	2.33	2.50
7	Output Voltage Accuracy (*1)	-	MAX. ± 5%		
8	Maximum Ripple & Noise (*2)	mV	120	150	150
9	Maximum Line Regulation (*3)	mV	20	50	60
10	Maximum Load Regulation (*4)	mV	30	70	90
11	Over Current Protection (*5)	-	Yes		
12	Over Voltage Protection	-	No		
13	Parallel Operation	-	No		
14	Series Operation	-	Yes		
15	Operating Temperature (*6)	-	-20 ~ +71°C		
16	Operating Humidity	-	20 ~ 95%RH (No dewdrop)		
17	Storage Temperature	-	-40 ~ +85°C		
18	Storage Humidity	-	10 ~ 95%RH (No dewdrop)		
19	Cooling	-	Convection Cooled		
20	Temperature Coefficient	-	0.03% / °C		
21	Withstand Voltage	-	Input - Output, Input - Chassis : 500VAC (5mA) for 1 minute.		
22	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH, Output-Chassis : 500VDC		
23	Vibration	-	At no operating, 10 ~ 55 ~ 10Hz Amplitude (sweep for 1min.) 1.5mm Constant (Maximum 9G) X,Y,Z 2hour each.		
24	Shock	-	Less than 20G		
25	Weight (Typ)	g	40		
26	Size (WxHxD)	mm	47 x 8 x 42 (Refer to Outline Drawing)		

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 5VDC and Maximum output power.
- *2. EIAJ RC-9002A Probe with 100MHz scope.
- *3. From 4.5 ~ 7.2VDC, constant load.
- *4. From No load ~ Full load, constant input voltage.
- *5. Constant current limiting with automatic recovery.
Avoid to operate over load or dead short for longer than 30 seconds.
- *6. Ratings - Refer to derating curve on the right.
- Load (%) is percent of maximum output power.
- *7. Additional fuse is required for operation.
(Refer to instruction manual for details.)

Derating Curve



PP10-12-*

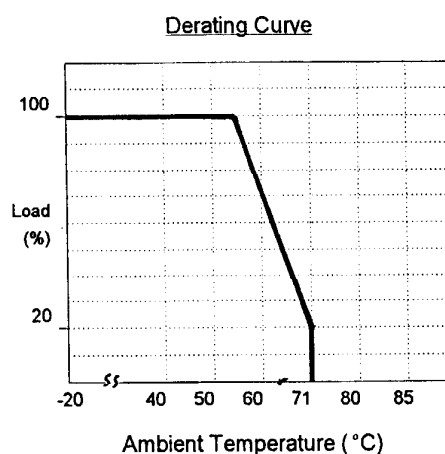
SPECIFICATIONS

DRAWING NO.	PA509 - 01 - 01
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MODEL			PP10-12-5	PP10-12-12	PP10-12-15
ITEMS					
1	Nominal Output Voltage	V	5	12	15
2	Maximum Output Current	A	2	0.9	0.7
3	Nominal Output Power	W	10.0	10.8	10.5
4	Efficiency (Typ) (*1)	%	80	80	80
5	Input Voltage Range	—	12VDC (8.0 - 16.5VDC)		
6	Input Current (Typ) (*1)	A	1.04	1.12	1.09
7	Output Voltage Range (*1)	—	Fixed, $\pm 5\%$ (Max)		
8	Maximum Ripple & Noise (*2)	mV	120	150	150
9	Maximum Line Regulation (*3)	mV	20	50	60
10	Maximum Load Regulation (*4)	mV	30	70	90
11	Over Current Protection (*5)	%	Yes (Min 105)		
12	Over Voltage Protection	%	No		
13	Parallel Operation	—	No		
14	Series Operation	—	Yes		
15	Operating Temperature (*6)	—	$-20^{\circ}\text{C} \sim 71^{\circ}\text{C}$		
16	Operating Humidity	—	20%RH \sim 95%RH		
17	Storage Temperature	—	$-40^{\circ}\text{C} \sim 85^{\circ}\text{C}$		
18	Storage Humidity	—	10%RH \sim 95%RH		
19	Cooling	—	Convection cooled		
20	Temperature Coefficient	—	0.03% / $^{\circ}\text{C}$		
21	Withstand Voltage	—	Input-Output, Input-Chassis ... 500VAC 1min (5mA)		
22	Isolation Resistance	—	More than 100M ohm at 25°C and 70% RH Output-Chassis ... 500VDC.		
23	Vibration	—	At no operating, 10 \sim 55 \sim 10Hz amplitude (sweep for 1min) 1.5mm constant (maximum 9G X, Y, Z 2 hour each)		
24	Shock	—	Less than 20G		
25	Weight (Typ)	g	40		
26	Size (W*H*D)	mm	47.8.0.42 Refer to outline drawing		

NOTES :

- *1 : At 12VDC and maximum output power.
- *2 : EIAJ RC-9002A Probe with 100MHz scope.
- *3 : From 8.0-16.5VDC constant load.
- *4 : From No load \sim Full load, constant input voltage.
- *5 : Constant current limiting with automatic recovery.
Avoid to operate over load or dead short for longer than 30sec.
- *6 : Rating - Refer to derating curve on the right.
- Load (%) is percentage of maximum output power.
- *7 : Additional Fuse is required for operation.
(Refer to instruction manual for details).



NEMIC-LAMBDA

PP10-24 Specifications

NEMIC-LAMBDA

PA510-01-01

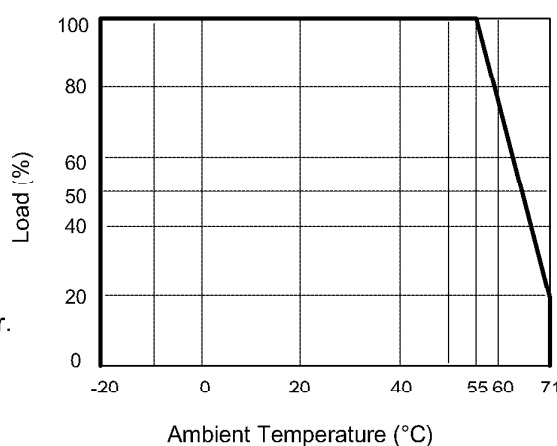
MODEL			PP10-24-5	PP10-24-12	PP10-24-15
ITEMS					
1	Nominal Output Voltage	V	5	12	15
2	Maximum Output Current	A	2.0	0.9	0.7
3	Nominal Output Power	W	10.0	10.8	10.5
4	Efficiency (Typ) (*1)	%	81	81	81
5	Input Voltage Range	-	24VDC (18 ~ 32VDC)		
6	Input Current (Typ) (*1)	A	0.51	0.55	0.54
7	Output Voltage Accuracy (*1)	-	MAX. ± 5%		
8	Maximum Ripple & Noise (*2)	mV	120	150	150
9	Maximum Line Regulation (*3)	mV	20	50	60
10	Maximum Load Regulation (*4)	mV	30	70	90
11	Over Current Protection (*5)	-	Yes		
12	Over Voltage Protection	-	No		
13	Parallel Operation	-	No		
14	Series Operation	-	Yes		
15	Operating Temperature (*6)	-	-20 ~ +71°C		
16	Operating Humidity	-	20 ~ 95%RH (No dewdrop)		
17	Storage Temperature	-	-40 ~ +85°C		
18	Storage Humidity	-	10 ~ 95%RH (No dewdrop)		
19	Cooling	-	Convection Cooled		
20	Temperature Coefficient	-	0.03% / °C		
21	Withstand Voltage	-	Input - Output, Input - Chassis : 500VAC (5mA) for 1 minute.		
22	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH, Output-Chassis : 500VDC		
23	Vibration	-	At no operating, 10 ~ 55 ~ 10Hz Amplitude (sweep for 1min.) 1.5mm Constant (Maximum 9G) X,Y,Z 2hour each.		
24	Shock	-	Less than 20G		
25	Weight (Typ)	g	40		
26	Size (WxHxD)	mm	47 x 8 x 42 (Refer to Outline Drawing)		

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 24VDC and Maximum output power.
- *2. EIAJ RC-9002A Probe with 100MHz scope.
- *3. From 18 ~ 32VDC, constant load.
- *4. From No load ~ Full load, constant input voltage.
- *5. Constant current limiting with automatic recovery.
Avoid to operate over load or dead short for longer than 30 seconds.
- *6. Ratings - Refer to derating curve on the right.
- Load (%) is percent of maximum output power.
- *7. Additional fuse is required for operation.
(Refer to instruction manual for details.)

Derating Curve



PP10-48 Specifications

NEMIC-LAMBDA

PA511-01-01

MODEL		PP10-48-5	PP10-48-12	PP10-48-15	
ITEMS					
1	Nominal Output Voltage	V	5	12	15
2	Maximum Output Current	A	2.0	0.9	0.7
3	Nominal Output Power	W	10.0	10.8	10.5
4	Efficiency (Typ) (*1)	%	81	81	81
5	Input Voltage Range	-	48VDC (32 ~ 63VDC)		
6	Input Current (Typ) (*1)	A	0.25	0.28	0.27
7	Output Voltage Accuracy (*1)	-	MAX. ± 5%		
8	Maximum Ripple & Noise (*2)	mV	120	150	150
9	Maximum Line Regulation (*3)	mV	20	50	60
10	Maximum Load Regulation (*4)	mV	30	70	90
11	Over Current Protection (*5)	-	Yes		
12	Over Voltage Protection	-	No		
13	Parallel Operation	-	No		
14	Series Operation	-	Yes		
15	Operating Temperature (*6)	-	-20 ~ +71°C		
16	Operating Humidity	-	20 ~ 95%RH (No dewdrop)		
17	Storage Temperature	-	-40 ~ +85°C		
18	Storage Humidity	-	10 ~ 95%RH (No dewdrop)		
19	Cooling	-	Convection Cooled		
20	Temperature Coefficient	-	0.03% / °C		
21	Withstand Voltage	-	Input - Output, Input - Chassis : 500VAC (5mA) for 1 minute.		
22	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH, Output-Chassis : 500VDC		
23	Vibration	-	At no operating, 10 ~ 55 ~ 10Hz Amplitude (sweep for 1min.) 1.5mm Constant (Maximum 9G) X,Y,Z 2hour each.		
24	Shock	-	Less than 20G		
25	Weight (Typ)	g	40		
26	Size (WxHxD)	mm	47 x 8 x 42 (Refer to Outline Drawing)		

*Read instruction manual carefully, before using the power supply unit.

=NOTES=

- *1. At 48VDC and Maximum output power.
- *2. EIAJ RC-9002A Probe with 100MHz scope.
- *3. From 32 ~ 63VDC, constant load.
- *4. From No load ~ Full load, constant input voltage.
- *5. Constant current limiting with automatic recovery.
Avoid to operate over load or dead short for longer than 30 seconds.
- *6. Ratings - Refer to derating curve on the right.
- Load (%) is percent of maximum output power.
- *7. Additional fuse is required for operation.
(Refer to instruction manual for details.)

Derating Curve

