



PC Series

Compact, Low-Power DC-DC Converters

- Compact Footprint / Low-Profile
- 5V, 12V, 24V & 48V Inputs
- 3.3 - 15V Single +/- 12V Dual Outputs
- Output Voltage Adjustment
- Input-Output Isolation
- Integral Input Fuse

Key Market Segments & Applications

Telecommunication equipment
 Datacom equipment
 Instrumentation products
 Microprocessor bases systems

PC Features and Benefits

Features

- ◆ Compact
- ◆ Self contained
- ◆ Multiple Input Voltage configurations
- ◆ Five sided metal case

Benefits

- ◆ Less pcb area used
- ◆ Requires no external components
- ◆ Easier pcb layout
- ◆ Lower radiated noise

Specifications

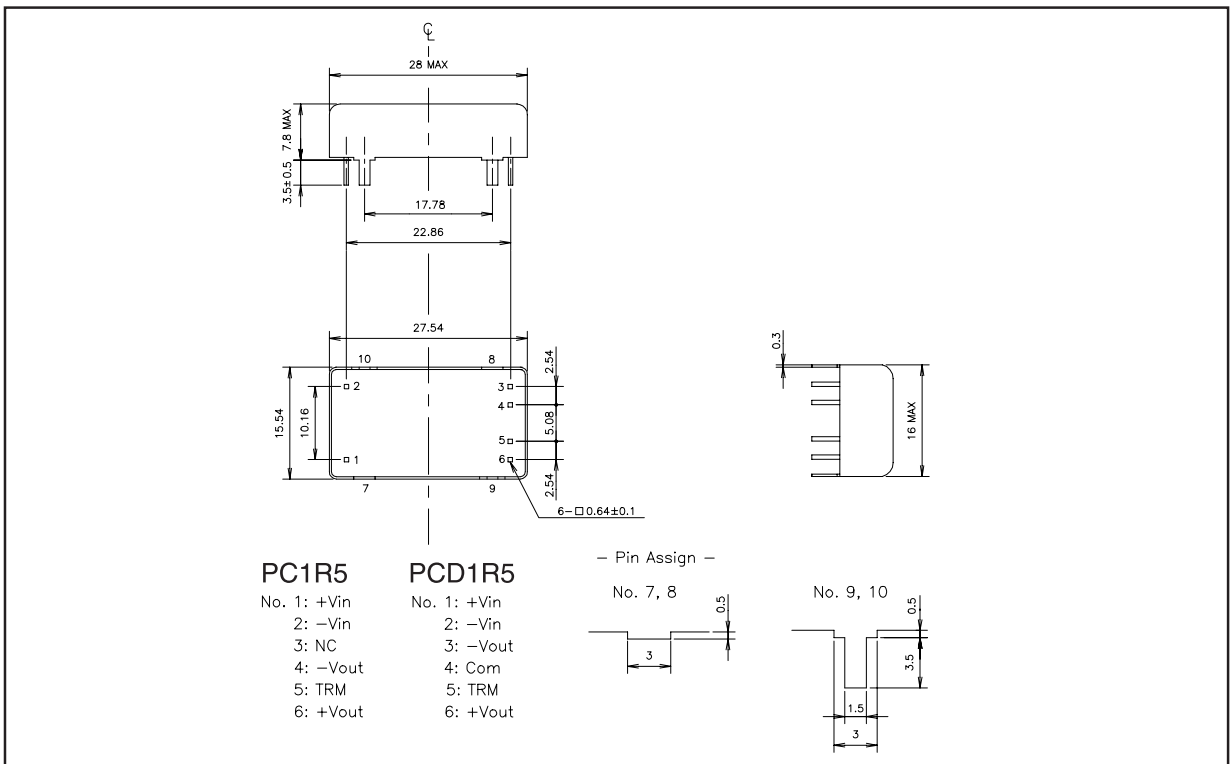
ITEMS		Output Volt.	3.3V	5V	12V
DC Input	-		5V: 4.5-9.0V, 12V: 9-18V, 24V: 18-36V, 48V: 36-72V		
Efficiency	-		66 to 85% model dependant		
Output Voltage Accuracy	-		±5%		
Isolation Voltage	-		500VAC 1 min. Input-Output, Input-Chassis		
Output Adjustment	-		2.84V-3.67V	4.3V-6V	12V-15V
Line Regulation	mV		20		30
Load Regulation	mV		40		100
Preload	-		No preload required		
Output Ripple	mV		120		
Overcurrent Protection	-		Output current limiting with automatic recovery.		
Overvoltage protection	-		No		
Remote On/Off	-		PC6 / PCD6 models only		
Cooling	-		Convection Cooled		
Operating Temp. Range	-		-20 to 70°C, derate linearly to 40% load from 50 to 70°C		
Storage Temperature	-		-40°C to 85°C		
Humidity (Non condensing)	-		20 - 95% RH		
Temperature Drift	mV		50		100
Isolation Resistance	-		>50M at 25°C and 70% RH 500 VDC Output-Chassis		
Shock	-		100G		
Vibration (non operating)	-		10-55-10 Hz (sweep for 15 min.) amplitude 1.5mm		
Weight	-		PC1R5 - 6g, PC3 models - 10g, PC6 models - 17g		
Size (L"x W"x H")	mm		PC1R5: 27.9 x 16 x 7.9	PC3: 28.4 x 20.6 x 8.4	PC6: 40.9 x 25.9 x 8.4
Warranty	-		5 years		

Note: See Installation Manual for full specifications, test methods of parameters and application notes.

Model Selector

	Output Voltage	Max Current (A)	Output Power (W)	5V Input	12V Input	24V Input	48V Input
Single Outputs							
	3.3	0.4	1.32	PC1R5-5-3.3	PC1R5-12-3.3	PC1R5-24-3.3	PC1R5-48-3.3
	3.3	0.6	1.98	PC3-5-3.3	PC3-12-3.3	PC3-24-3.3	PC3-48-3.3
	3.3	1.2	3.96	PC6-5-3.3	-	-	-
	3.3	1.5	4.95	-	PC6-12-3.3	PC6-24-3.3	PC6-48-3.3
	5.0	0.3	1.5	PC1R5-5-5	PC1R5-12-5	PC1R5-24-5	PC1R5-48-5
	5.0	0.6	3.0	PC3-5-5	PC3-12-5	PC3-24-5	PC3-48-5
	5.0	1.0	5.0	PC6-5-5	-	-	-
	5.0	1.2	6.0	-	PC6-12-5	PC6-24-5	PC6-48-5
	12.0	0.125	1.5	PC1R5-5-12	PC1R5-12-12	PC1R5-24-12	PC1R5-48-12
	12.0	0.25	3.0	PC3-5-12	PC3-12-12	PC3-24-12	PC3-48-12
	12.0	0.5	6.0	PC6-5-12	PC6-12-12	PC6-24-12	PC6-48-12
Dual Outputs							
	±12.0	0.06	1.44	PCD1R5-5-1212	PCD1R5-12-1212	PCD1R5-24-1212	PCD1R5-48-1212
	±12.0	0.125	3.0	PCD3-5-1212	PCD3-12-1212	PCD3-24-1212	PCD3-48-1212
	±12.0	0.25	6.0	PCD6-5-1212	PCD6-12-1212	PCD6-24-1212	PCD6-48-1212

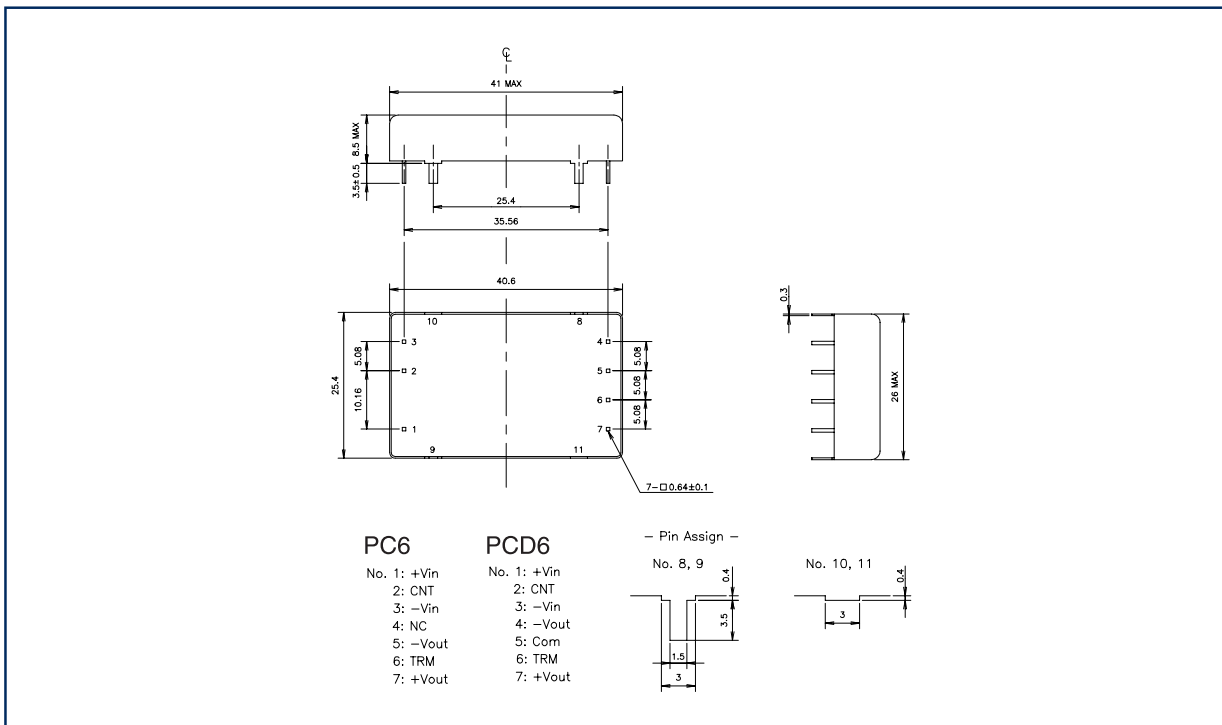
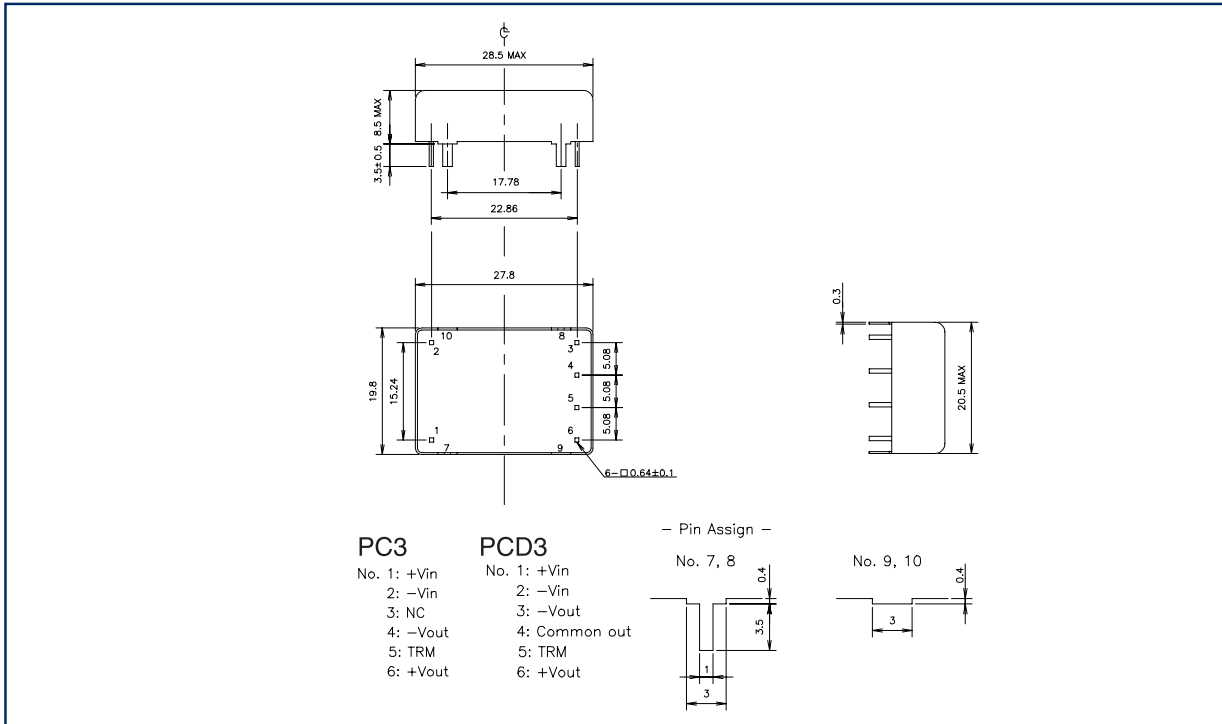
Outline Drawing



Pinout

Pin Description	Function
-Vin	Negative Input Terminal
+Vin	Positive Input Terminal
+V	Positive Output Terminal
-V	Negative Output Terminal
TRIM	Output adjustment Trim pin
CNT	Remote ON/OFF

Outline Drawing



LAMBDA EUROPE

AUSTRIA

LAMBDA ELECTRONICS GmbH
Aredstraße 22
A-2544 Leobersdorf

Telephone: +43 (0) 2256 655 84
Facsimile: +43 (0) 2256 645 12
www.lambda-austria.com

FRANCE

LAMBDA SAS
ZAC des Delaches, BP1077 - Gometz le Chatel
91940 Les Ulis

Telephone: +33 (0) 1 60 12 71 65
Facsimile: +33 (0) 1 60 12 71 66
Web: www.lambda-f.com

GERMANY

LAMBDA GmbH
Karl-Bold-Straße 40
D-77855 Achern

Telephone: +49 (0) 78 41 666 0
Facsimile: +49 (0) 78 41 5000
Web: www.lambda-germany.com

ISRAEL

NEMIC LAMBDA LTD
Kibbutz Givat
Hashlosa 48800

Telephone: +972 (0) 3 902 4333
Facsimile: +972 (0) 3 902 4777
Web: www.nemic.co.il

ITALY

LAMBDA s.r.l.
Via dei Lavoratori 128/130,
20092, Cinisello Balsamo (Mi)

Telephone: +39 (0) 02 61 29 38 63
Facsimile: +39 (0) 02 61 29 09 00
Web: www.lambda-italy.com

SWEDEN

LAMBDA SCANDINAVIA
PO Box 546, Rallarvägen 41
SE-184 25. Akersberga

Telephone: +46 (0) 8 598 94 090
Facsimile: +46 (0) 8 540 66 096
Web: www.lambda-scandinavia.com

UK

LAMBDA UK
Kingsley Avenue
Ilfracombe Devon EX34 8ES

Telephone: +44 (0) 1271 856666
Facsimile: +44 (0) 1271 864894
Web: www.lambda-gb.com

LAMBDA NORTH AMERICA

visit www.lambda-power.com for a list of Lambda offices and distributors

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