



**COIL TECHNOLOGY
CORPORATION**

P Series DC/DC CONVERTERS

Features

**7 Pin SIP Package
5.2kv isolation
-40 to +85 operating temp
CE EN60950-1 certified
CE EN60601-1 certified**

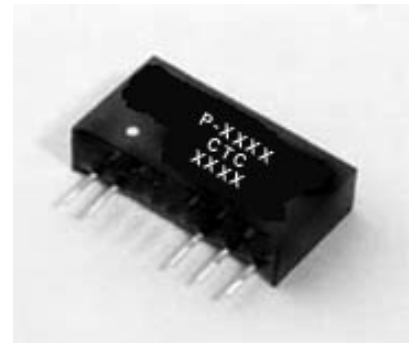
Series	Description	Page
P-xyyy	1W Single Output	2
P-xyyyD	1W Dual Output	3
P2-xyyy	2W Single Output	5
P2-xyyyD	2W Dual Output	7

Features :

- Wide temperature Performance at full 1 watt load -40°C to 85°C
- 5.2KVDC Isolation
- Efficiency to 80%
- Internal SMD Construction
- UL 94V-0 Package Material
- Meet CE EN-60950-1 Certified · CE EN-60601-1 Certified

ELECTRICAL SPECIFICATIONS: UNREGULATED

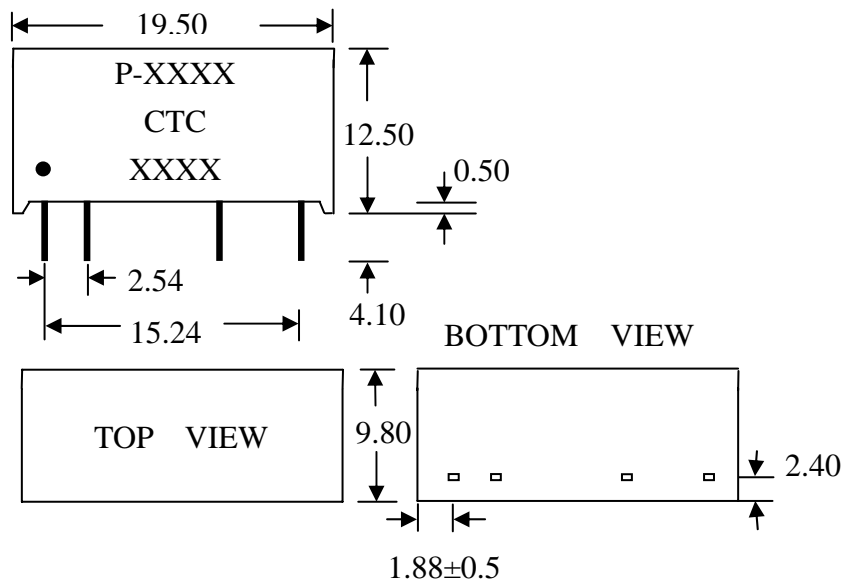
- Input voltage range ----- ±10%
- Output voltage accuracy ----- ±5%
- Line Voltage Regulation ----- 1.2%Typ./1%Of Vin
- Load Voltage Regulation (10% ~ 100%)
3.3,5V Output Types----- 15% Max.
9V,12V and 15V Output Types----- 10% Max.
- Ripple&noise/20MHZ BW ----- 200mV P-P Max.
- Efficiency at full load----- up to 80%
- Isolation Voltage----- 5200 Vdc/1sec.
- Short circuit protection ----- 1.0 Second
- Operating temperature range ----- -40°C to 85°C
- Storage temperature range ----- -50°C to 125°C
- Meet CE EN-60950-1 Certified · CE EN-60601-1 Certified



Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
P-XX3.3	5,9,12,15,24	3.3	303
P-XX05	5,9,12,15,24	5	200
P-XX09	5,9,12,15,24	9	111
P-XX12	5,9,12,15,24	12	84
P-XX15	5,9,12,15,24	15	66

Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
5	-VOUT
7	+VOUT

TOL. : ±0.25mm
UNIT : mm

Features :

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ELECTRICAL SPECIFICATIONS: UNREGULATED

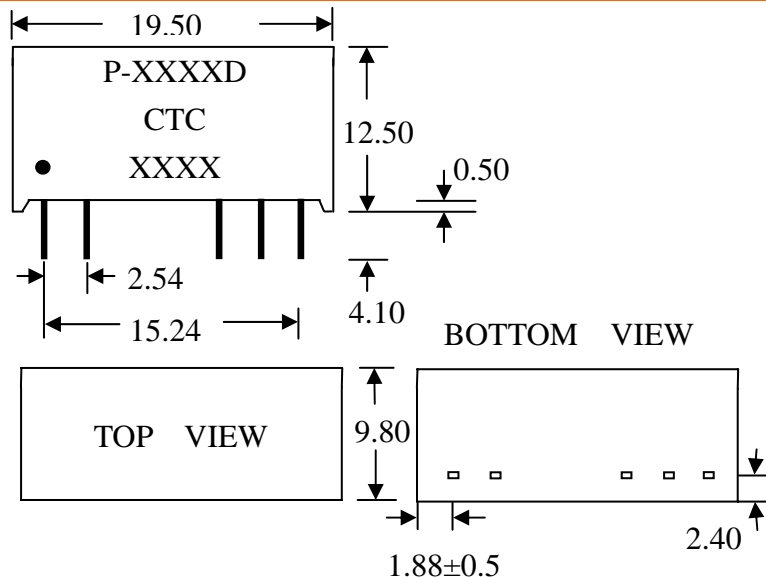
- Input voltage range ----- ±10%
- Output voltage accuracy ----- ±5%
- Line Voltage Regulation ----- 1.2%Typ./1%Of Vin
- Load Voltage Regulation (10% ~ 100%)
 - 3.3,5V Output Types----- 15% Max.
 - 9V,12V and 15V Output Types----- 10% Max.
- Ripple&noise/20MHZ BW ----- 200mV P-P Max.
- Efficiency at full load----- 65% Min.up to 80%
- Isolation Voltage----- 5200 Vdc/1sec.
- Short circuit protection ----- 1.0 Second
- Operating temperature range ----- -40°C to 85°C
- Storage temperature range ----- -55°C to 125°C
- Isolation resistance----- 15GΩ
- Isolation capacity----- 1.5pF
- Meet CE EN-60950-1 Certified、CE EN-60601-1 Certified



Selection Guide

Part Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
P-XX3.3D	5,9,12,15,24	±3.3	±150
P-XX05D	5,9,12,15,24	±5	±100
P-XX09D	5,9,12,15,24	±9	±56
P-XX12D	5,9,12,15,24	±12	±42
P-XX15D	5,9,12,15,24	±15	±33

Package Style And Pinning (mm)



PIN	FUNCTION
1	VIN
2	-VIN
5	-VOUT
6	COM.
7	+VOUT

TOL. : ±0.25mm
UNIT : mm

Features :

- Wide temperature Performance at full 2 watt load -40°C to 85°C
- 5200KVdc Isolation
- Efficiency to 80%
- Internal SMD Construction
- UL 94V-0 Package Material
- Meet CE EN-60950-1 Certified
 、 CE EN-60601-1 Certified

ELECTRICAL SPECIFICATIONS:

- Input voltage range ----- $\pm 10\%$
- Output voltage accuracy ----- $\pm 5\%$
- Line voltage regulation ----- 1.2%Typ./1%Of Vin
- Load voltage regulation (10% ~ 100%)-
 5V Output Types----- 15% Max.
 9V,12Vand15V Output Types----- 10% Max.
- Ripple&noise/20MHZ BW ----- 200mV P-P Max.
- Efficiency at full load----- 65% Min. up to 80%
- Isolation voltage----- 5200Vdc/1sec.
- Short circuit protection----- 1.0 Second
- Operating temperature range ----- -40°C to 85°C
- Storage temperature range ----- -55°C to 125°C



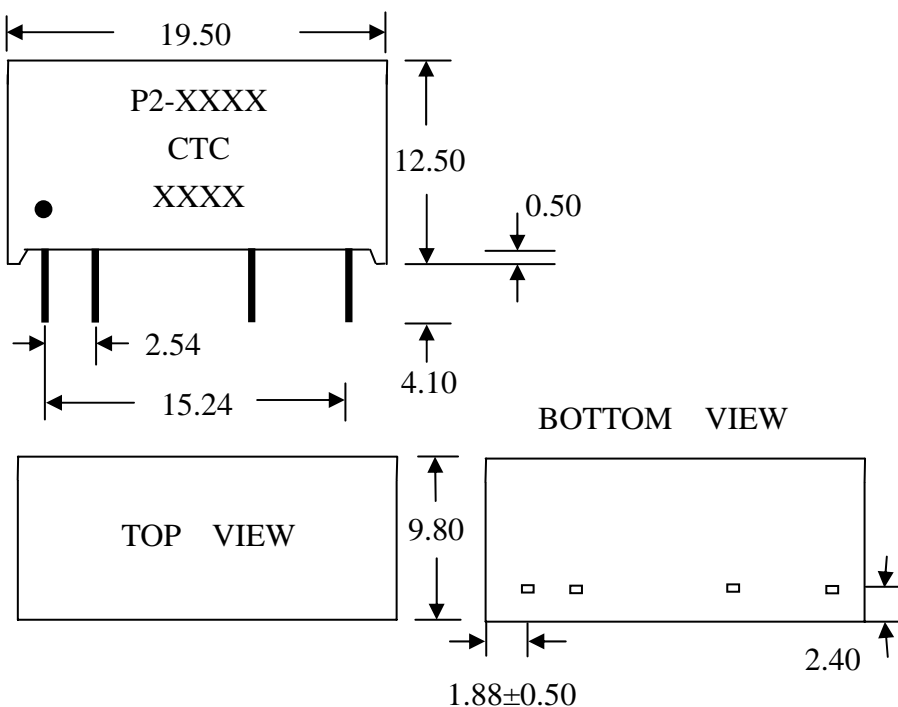
EN60950



Selection Guide

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
P2-XX3.3	3,3,5,9,12,15,24	3.3	600
P2-XX05	3,3,5,9,12,15,24	5	400
P2-XX09	3,3,5,9,12,15,24	9	220
P2-XX12	3,3,5,9,12,15,24	12	167
P2-XX15	3,3,5,9,12,15,24	15	132

Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
5	-VOUT
7	+VOUT

XX.X ± 0.5 mm

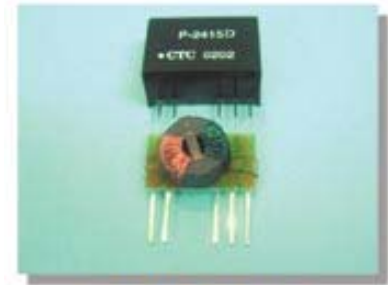
XX.XX ± 0.25 mm

Features :

- Wide temperature Performance at full 2 watt load -40°C to 85°C
- 5200KVdc Isolation
- Efficiency to 80%
- Internal SMD Construction
- UL 94V-0 Package Material
- Meet CE EN-60950-1 Certified 、 EN-60601-1 Certified

ELECTRICAL SPECIFICATIONS:

- Input voltage range ----- ±10%
- Output voltage accuracy ----- ±5%
- Line voltage regulation ----- 1.2%Typ./1%Of Vin
- Load voltage regulation (10% ~ 100%)-
5V Output Types----- 15% Max.
9V,12Vand15V Output Types----- 10% Max.
- Ripple&noise/20MHZ BW ----- 200mV P-P Max.
- Efficiency at full load----- 65% Min. up to 80%
- Isolation voltage----- 5200Vdc/1sec.
- Short circuit protection----- 1.0 Second
- Operating temperature range ----- -40°C to 85°C
- Storage temperature range ----- -55°C to 125°C
- Isolation resistance----- 560GΩ
- Isolation capacity----- 1.5pF



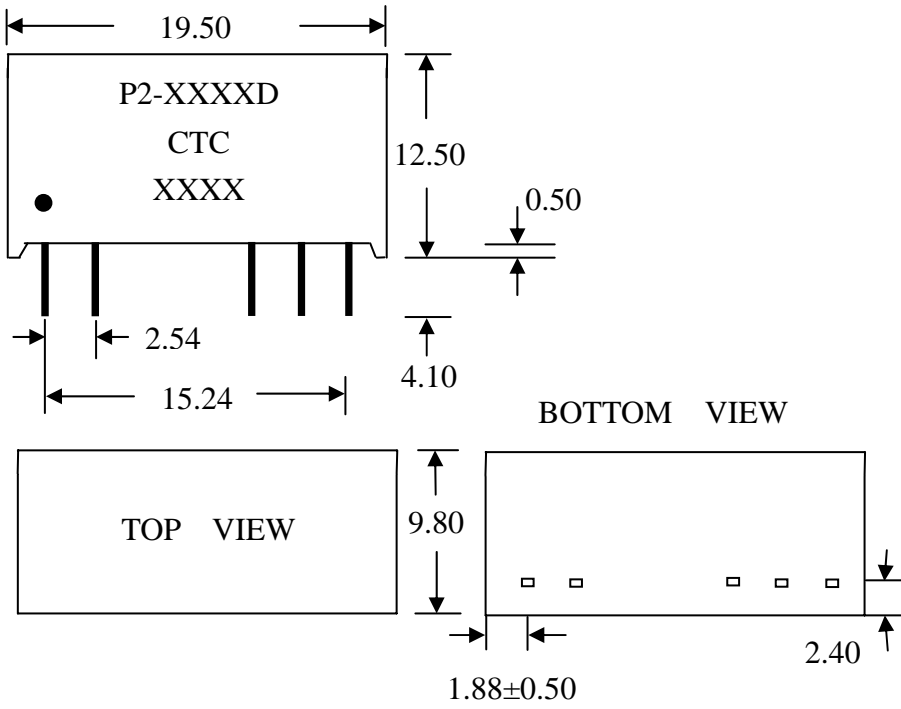
****EN60950****



Selection Guide

Model Number	Input Voltage (VDC)	Output Voltage (VDC)	Output Current (mA)
P2-XX3.3D	3.3,5,9,12,15,24	±3.3	±300
P2-XX05D	3.3,5,9,12,15,24	±5	±200
P2-XX09D	3.3,5,9,12,15,24	±9	±111
P2-XX12D	3.3,5,9,12,15,24	±12	±85
P2-XX15D	3.3,5,9,12,15,24	±15	±66

Package Style And Pinning (mm)



PIN	FUNCTION
1	+VIN
2	-VIN
5	-VOUT
6	COM.
7	+VOUT

XX.X±0.5mm

XX.XX±0.25mm