

# TECHNICAL DATA SHEET

PPL45X-59CFK



## DESCRIPTION

This 45-watt USB-C Power Delivery 3.0 Wall Mount adapter features regulated output with low ripple noise.

It meets safety agency requirements and is EMI/EMS certified. Modified and custom designs are available.



CB

CE

FC

RoHS

## FEATURES

- ✓ IEC/EN/UL 62368-1 3rd Edition
- ✓ 100-240VAC Universal Input
- ✓ P.D. 3.0 / QC 4.0+ / QC 4.0
- ✓ Modified and Custom Design Available
- ✓ OVP, SCP, OCP



\* Clips are sold separately





## TECHNICAL DATA

### Input

<b>Voltage</b>	100-240VAC
<b>Line Frequency</b>	50-60Hz
<b>Current</b>	45W : 1A-0.5A
<b>Protection</b>	Internal Primary Current Fuse

### Output

<b>Voltage</b>	+5.0 V $\pm$ 5 % or +9.0 V $\pm$ 5 % or +12.0 V $\pm$ 5 % or +15.0 V $\pm$ 5 % or +20.0 V $\pm$ 5 % (PD 3.0) 5V ~ 21.0 V (PPS)
<b>Current</b>	3.0 A Max. (PD CV Mode , 5 V or 9 V or 12 V or 15 V) 2.25 A Max. (PD CV Mode , 20 V) 5V-16V 3A (2.6A~3.3A) (PPS CC Mode) 5V-21V 2.25A ( $\pm$ 10 %) (PPS CC Mode)
<b>Load Regulation</b>	$\pm$ 5% ( Typical )
<b>Ripple &amp; Noise</b>	$\leq$ 200m Vp-p @ Full Load
<b>Transient (Dynamic) Response</b>	0.5mS with 50% Load Change
<b>Start-up Time</b>	$<$ 3,000mS
<b>Hold-up Time</b>	$\geq$ 10mS @ Full Load
<b>Rise Time</b>	$<$ 50mS
<b>Protection</b>	Short Circuit Protection / Over Voltage Protection / Over Current Protection

### Electrical

<b>Topology</b>	Switching Flyback
<b>Dielectric Withstand</b>	4,000VAC Primary - Secondary
<b>Touch Current</b>	$<$ 100 $\mu$ A
<b>Leakage Current</b>	
<b>Efficiency</b>	Meet DoE Level VI, ErP Stage 2, CoC Tier 2
<b>EMC Standards</b>	EN55011
<b>MTBF</b>	300,000 Calculated Hours at 25 $^{\circ}$ C , by Telcordia SR-332

### Environmental

<b>Operating Temperature</b>	-20 to + 40 $^{\circ}$ C
<b>Storage Temperature</b>	-20 to + 80 $^{\circ}$ C
<b>Operating Altitude</b>	5,000M
<b>Relative Humidity</b>	Operating : 20 to 80% RH      Storage : 10 to 90% RH
<b>Cooling</b>	Natural Convection Cooling

### Mechanical

<b>Case Dimension</b>	L 53.5 $\times$ W 31.5 $\times$ H 58 (mm)
<b>Weight</b>	PPL45X-59CFK -R125g (Ref.)

### Models

PPL45X-59CFK	O/P Voltage	O/P Current	Watt
	5.0V	3.00A	15W
	9.0V	3.00A	27W
	12.0V	3.00A	36W
	15.0V	3.00A	45W
	20.0V	2.25A	45W





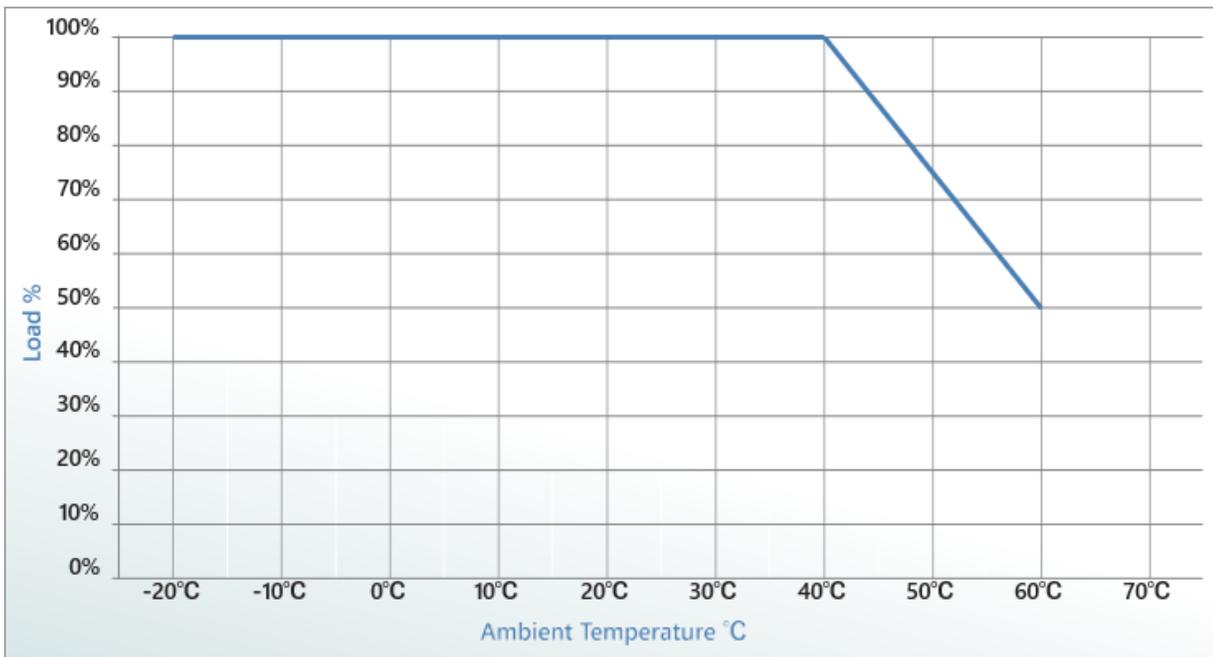
## TECHNICAL DATA

### Clips

US	XPA
UK	XPB
EU	XPE
AU	XPS

Clips are sold separately

### Derating Curve



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