SERIES: 15 W WALL PLUG **DESCRIPTION:** SWITCHING POWER SUPPLY

FEATURES

- universal AC input
- regulated output voltage
- short circuit
- meets EISA / efficiency level IV regulations
- custom designs available



RoHS

Discontinued

MODEL	output voltage	output current		output wattage	ripple*	efficiency level	cord length
	nominal (V dc)	min (A)	max (A)	max (W)	max. (mVp-p)		(mm)
EPS050260UH	5	0	2.6	13	150	IV	1000 +150/-0
EPS060250UH	6	0	2.5	15	150	IV	1000 +150/-0
EPS070214UH	7.5	0	2.14	14.7	150	IV	1000 +150/-0
EPS090166UH	9	0	1.66	14.9	150	IV	1000 +150/-0
EPS120125UH	12	0	1.25	15	150	IV	1830 +150/-0
EPS150100UH	15	0	1.0	15	150	IV	1830 +150/-0
EPS180083UH	18	0	0.83	14.9	150	IV	1830 +150/-0
EPS200075UH	20	0	0.75	15	250	IV	1830 +150/-0
EPS240063UH	24	0	0.63	15.1	250	IV	1830 +150/-0

*at full load, 100 ~ 240 V ac input, measured at 20MHz bandwidth with a 10 uF electrolytic cap and a 0.1 uF ceramic cap on the output

PART NUMBER KEY

EPS050260UH - XX - SZ - CXX

- EPS050260UH: Base Number (example of 5 V dc, 2.6 A)
- XX: DC Plug type: see output plug options on page 5
- SZ: Factory Designation
- CXX: Reserved for custom orders

Please read our datasheet & drawing disclaimer here.

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INPUT

parameter	conditions/description	min	nom	max	units
rated input voltage		100		240	V ac
input voltage range		90		264	V ac
rated frequency		50		60	Hz
frequency range		47		63	Hz
inrush current	at 115 V ac, cool start at 230 V ac, cool start			30 50	A A
no load power consumption	100 ~ 240 V ac input			0.3	W

OUTPUT

parameter	conditions/description	min	nom	max	units
line regulation			±1		%
load regulation			±5		%
over voltage protection	output shutdown	110%		140%	V dc
short circuit protection	output shut down and auto restart				

SAFETY & EMI

parameter	conditions/description	min	nom	max	units
HI-POT	input to output at 10 mA for 1 minute			3000	V ac
insulation resistance	input to output at 500 V dc	100			MΩ
safety approvals	UL/cUL (60950-1)				
EMI standard	FCC part 15 class B				
leakage current				0.25	mA
RoHS compliant	yes				

Discontinued

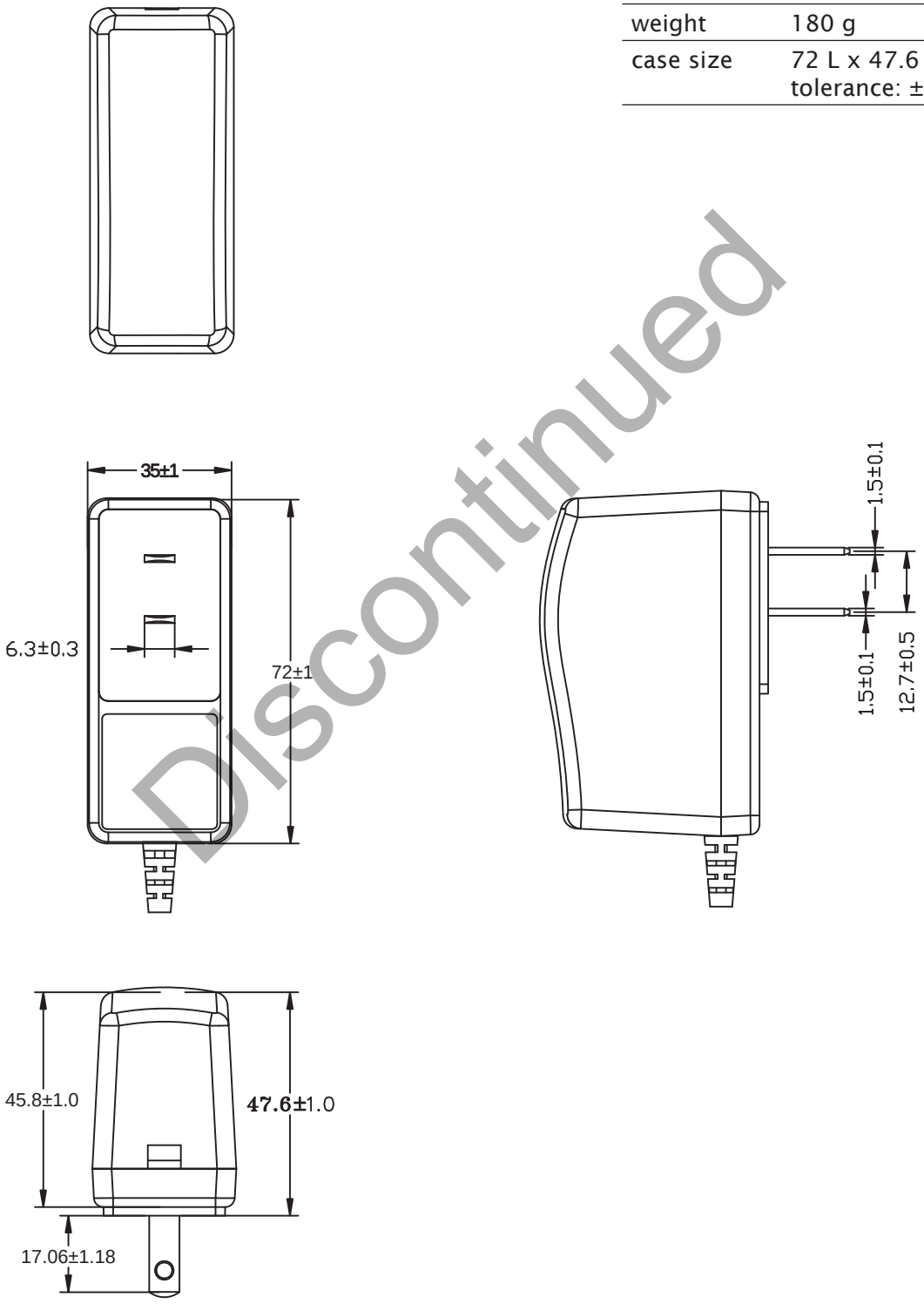
ENVIRONMENTAL

parameter	conditions/description	min	nom	max	units
operating temperature		0		40	°C
operating humidity		20		80	%
storage temperature		-10		70	°C
storage humidity		10		90	%

SERIES: 15 W WALL PLUG **DESCRIPTION: SWITCHING POWER SUPPLY**

MECHANICAL DRAWING

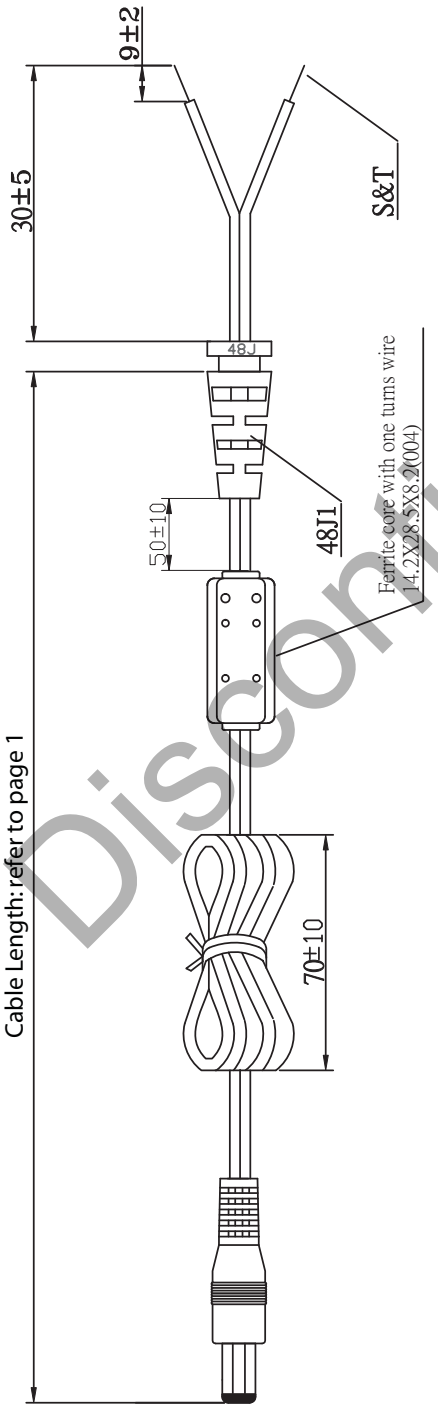
input plug	Fixed (UL)
weight	180 g
case size	72 L x 47.6 W x 35 H mm tolerance: ±1 mm



Discontinued

SERIES: 15 W WALL PLUG **DESCRIPTION: SWITCHING POWER SUPPLY**

DC CORD



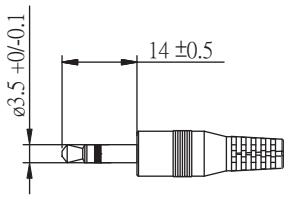
Cable Gauge	
EPS050260	18 AWG
EPS060250	18 AWG
EPS070214	18 AWG
EPS090166	20 AWG
EPS120125	20 AWG
EPS150100	20 AWG
EPS180083	20 AWG
EPS200075	20 AWG
EPS240063	20 AWG

Discontinued

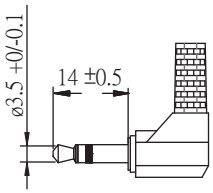
SERIES: 15 W WALL PLUG **DESCRIPTION: SWITCHING POWER SUPPLY**

DC OUTPUT PLUG OPTIONS

3.5 mm Phono Plug



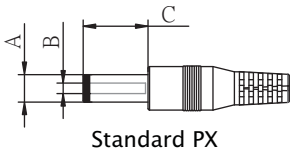
P1



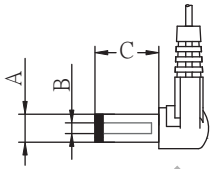
P1R

*Tip positive

Standard DC Plug



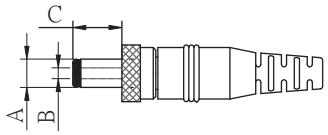
Standard PX



Right Angle PXR

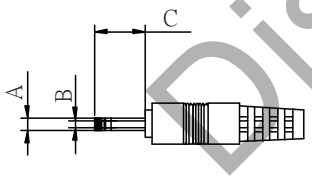
	A	B	C	Unit
P5/P5R	5.5	2.1	12	mm
P6/P6R	5.5	2.5	9.5	mm
P7/P7R	3.5	1.3	9.5	mm
P8/P8R	3.8	1.35	9.5	mm
P9/P9R	3.8	1.05	9.5	mm

Locking DC Plug

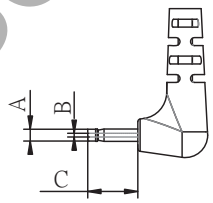


	A	B	C	Unit
P10	5.5	2.1	9.5	mm
P11	5.5	2.5	9.5	mm

EIAJ Plugs

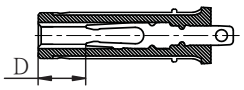


Standard PXX

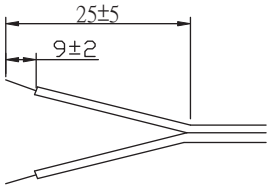


Right Angle PXXR

	EIAJ	A	B	C	D	Unit
P12/P12R	EIAJ-1	2.35	0.7	9.5	NA	mm
P13/P13R	EIAJ-2	4.0	1.7	9.5	5.0	mm
P14/P14R	EIAJ-3	4.75	1.7	9.5	5.0	mm



Stripped and Tinned



DC PLUG TYPE

ST

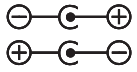
stripped and tinned

PXX X X

Plug type

Plug angle:
"blank" = standard
R = right angle

Plug polarity:
"blank" = N/A
P = center positive
N = center negative



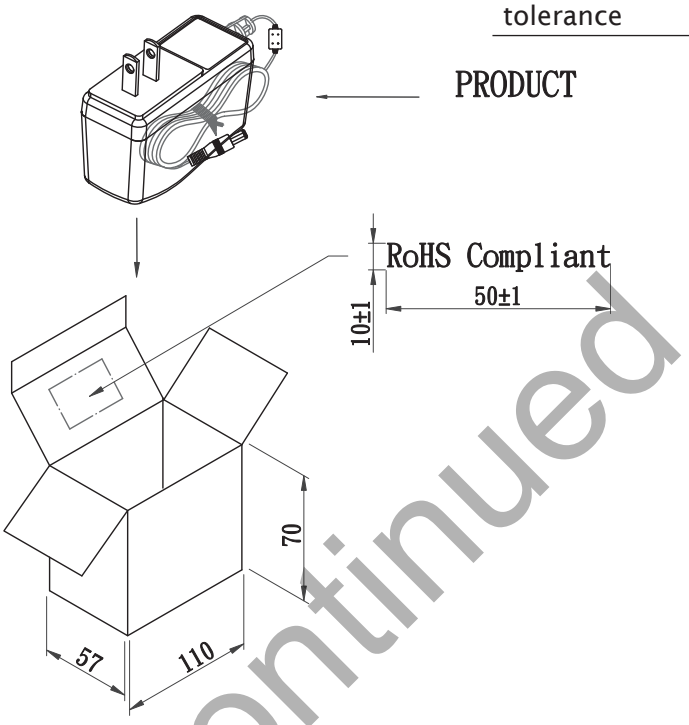
*Contact CUI for additional output plug options.

Discontinued

SERIES: 15 W WALL PLUG **DESCRIPTION:** SWITCHING POWER SUPPLY

INDIVIDUAL PACKAGING

tolerance	± 1 mm



Discontinued

PACKAGING

tolerance	+7 / -0 mm

CARTON INTERNAL SIZE:450*308*300mm
Q'TY: 80PCS(20*4)
"RoHS Compliant"

