

AC-DC INTERCHANGEABLE PLUG SINGLE, 15-24 WATTS

DIMENSIONS: 2.46" × 1.61" × 1.34"

IP1019 SERIES



FEATURES

- DoE VI Compliance
- RoHS Compliance
- Dimensions 2.46" × 1.61" × 1.34"
- Interchangeable Plug
- Over Voltage Protection Built-in
- Short Circuit Protection Built-in
- MTBF > 30,000Khrs
- Medical Safety Approvals: UL/CUL, TUV, CB, CE, FCC, CCC

SELECTION GUIDE All specifications are typical at 230Vac input, full load and 25°C, unless otherwise noted.

Max. Output Power W	Output Voltage (Vo) Vdc	Min. Load (Io) A	Max. Load (Io) A	Load Regulation %	Line Regulation %	Ripple & Noise mV	Model Number
15	5 - 8	0	3.0	5	±1	100	IP1019A5RS
20	9 - 13	0	2.0	5	±1	180	IP1019B9RS
20	14 - 19	0	1.42	5	±1	200	IP1019C14RS
20	20 - 27	0	1.0	5	±1	250	IP1019D20RS
20	28 - 35	0	0.71	5	±1	280	IP1019E28RS
20	36 - 48	0	0.55	5	±1	360	IP1019F36RS
18	5 - 8	0	3.0	5	±1	100	IP1019G5RS
24	9 - 13	0	2.0	5	±1	180	IP1019H9RS
24	14 - 19	0	1.71	5	±1	200	IP1019J14RS
24	20 - 27	0	1.20	5	±1	250	IP1019K20RS
24	28 - 35	0	0.85	5	±1	280	IP1019M28RS
24	36 - 48	0	0.66	5	±1	360	IP1019N36RS

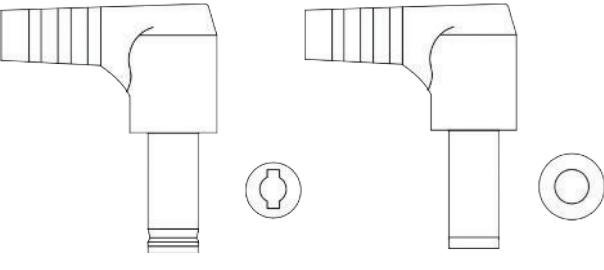
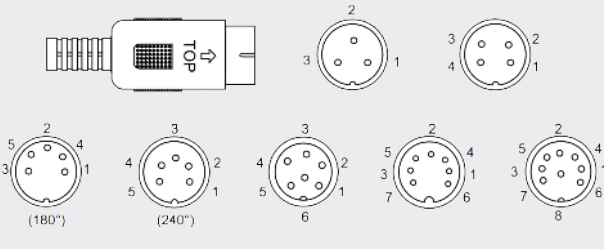


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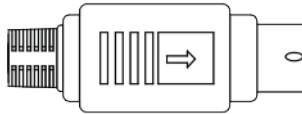
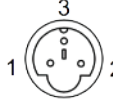
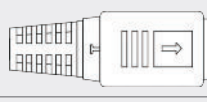
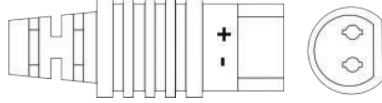
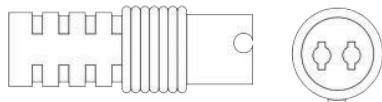
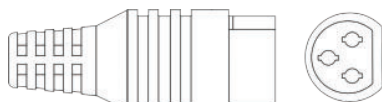
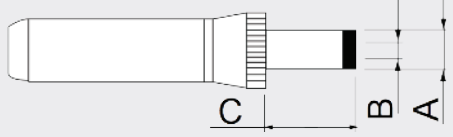
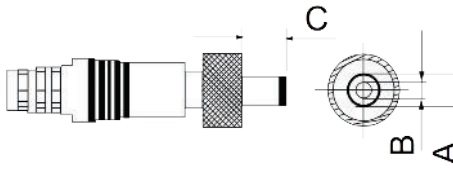
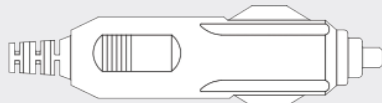
IP1019 SERIES

Options Available

Code	Plug Type	Specification	Outline/ Drawing
00	Strip and Tined	NC	
01	Barrel Type	5.5 × 2.1	
02		5.5 × 2.5	
03		4.75 × 1.7	
04		4.0 × 1.7	
05		3.5 × 1.35	
06		2.35 × 0.7	
07		6.3 × 3.0	
08		6.5 × 1.4	
11	Barrel Type Right Angle	5.5 × 2.1	
12		5.5 × 2.5	
13		4.75 × 1.7	
14		4.0 × 1.7	
15		3.5 × 1.35	
16		2.35 × 0.7	
17		6.3 × 3.0	
18		6.5 × 1.4	
21	Din (male)	3Pin	
22		4Pin	
23		5Pin(180)	
24		5Pin(240)	
25		6Pin	
26		7Pin	
27		8Pin	

IP1019 SERIES

Options Available (cont.)

Code	Plug Type	Specification	Outline/ Drawing
31	Mini-Din (male)	3Pin	 
32		4Pin	
33		5Pin	
34		6Pin	
35		7Pin	
36		8Pin	
41	Power-Mini Din (male)	3Pin (Molding)	 
42		4Pin (Molding)	 
45		3Pin (Assembly/Lock Type)	 
46		4Pin (Assembly/Lock Type)	 
61	Interchangeable Connector	2Pin	
62		2Pin	
63		3Pin	
71	Switchcraft Locking Type	A:5.5, B:2.5, C:0.375" (9.52mm)	
72		A:5.5, B:2.5, C:0.475" (12.06mm)	
73		A:5.5, B:2.1, C:0.375" (9.52mm)	
74		A:5.5, B:2.1, C:0.475" (12.06mm)	
81	DC Jack with Screw	A:5.5, B:2.1, C:7.5	
82		A:5.5, B:2.1, C:10.1	
91	Cigarette Lighter		

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Input Specifications			Output Specifications		
Input range, Vac	100 - 240		Over voltage protection	Auto-recovery	
Frequency, Hz	50 - 60		Short circuit protection	Auto-recovery	
Input current, A	≤ 0.8		Over current protection	Auto-recovery	
Inrush current, A	≤ 80	at cold start			
Efficiency	Meet DOE VI, CoC Tier 2				
Hold-up time, ms	≥ 8.3				
Turn on time, s	≤ 3.0				

Environmental Specifications				
Operating temperature, °C		0 Min.		+40 Max.
Storage temperature, °C		-20 Min.		+85 Max.
Operating humidity, %		+10 Min.		+90 Max.
Storage humidity, %		+5 Min.		+95 Max.

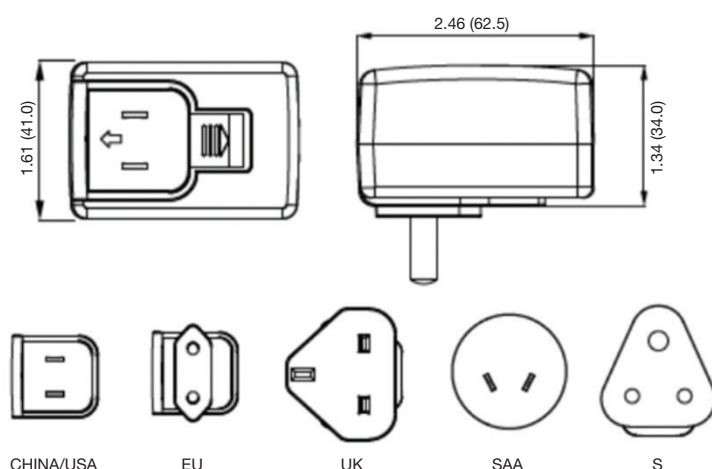
Physical Specifications	
Design meet safety standard	UL/CUL, TUV, CB, CE, FCC, CCC
Weight, g	150
Dimensions, inches (mm)	2.46 × 1.61 × 1.34 (62.5 × 41 × 34)

Note:

1. Ripple noise is measure by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1μF ceramic capacitor and parallel with a 47μF aluminum capacitor at full load and nominal line.
2. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
3. Max Output Power (W) ≥ Vo × Io.

CAUTION: This power module is not internally fused. An input line fuse must always be used.

Mechanical Drawing



PLUG	SUFFIX
USA	U
China	C
Europe	EU
United Kingdom	K
South Africa	S
Australia	SAA

1. All dimensions in inch (mm)
2. Tolerance :x.xx±0.02 (x.x±0.5)
x.xxx±0.01 (x.xx±0.25)