

PTWA-012D SERIES
10/12W Multi-Plug Power Supply for I.T. Equipment


- Input Voltage 100 to 240 VAC, 50/60Hz
- Interchangeable or Fixed AC Plug Including US, UK, EU, SAA
- Over Voltage / Short Circuit Protection (Auto Recovery)
- Meet Energy Efficiency DoE Level VI Standard
- Class II Insulation (Double Insulation)
- Optional DC Connector

1 Year Warranty
Approvals:
Single Output

Product Number	Range of Fixed Voltage	Max. Output Current	Output Regulation	Maximum Output Power
PTWA-012D-050200	5 VDC	2A Max	±7%	10W
PTWA-012D-090130	9 VDC	1.3A Max	±5%	11.7W

Electrical Characteristics

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Input Voltage	Operating Voltage	100		240	VAC
Input Frequency		50		60	Hz
Output Power Range		(See output chart)			W
Input Current (rms)	I/P: 100-240Vac			0.4	A
Inrush Current	At 100VAC, cold start, 25 °C			30	A
Inrush Current	At 230VAC, cold start, 25 °C			60	A
Ripple & Noise				300	mVp-p
Voltage Regulation	Constant voltage mode		±7		%
Hold-Up Time	Io=Full Load, Vin=115VAC		10		mS
Leakage Current				0.25	mA
Efficiency	Output Voltage 5VDC		79		%
Efficiency	Output Voltage 9VDC		83.12		%
Protection	Over voltage protection (OVP), Short circuit protection				
Automatic Recovery	Automatic recovery when removal of protect condition. Any protect condition shall cause no damage and no component fail. (<0.03 ohm)				

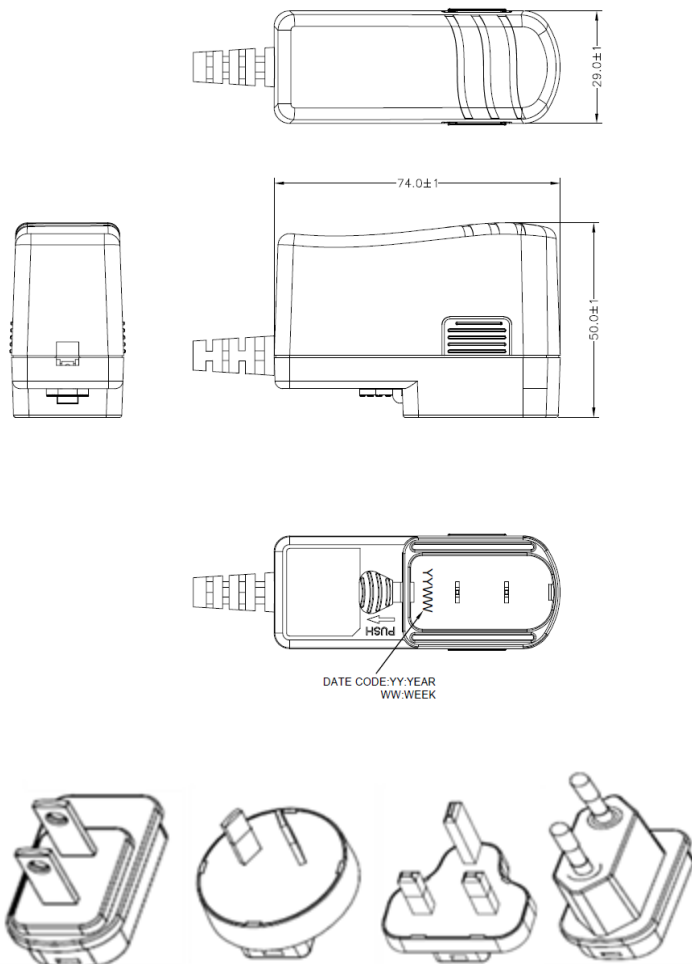
Conditions

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Operating Temperature	Ambient	0		40	°C
Storage Temperature	Ambient	-25		70	°C
Operating Humidity	Non-condensing	8		90	%
MTBF	Full Load at 25°C Ambient Temperature	50			K Hours
Altitude		0		6000	ft

Approvals and Compliance

Parameter	Test Conditions
EMI	FCC Class B, CISPR22 Class B, EN55022, EN55013
EMS	IEC61000-4-2,3,4,5,6,8,11
Safety Description	LVD, EN60950, EN60065, UL60950, GB8898
Environmental Compliance	RoHS2, Energy Efficiency DoE Level VI

Mechanical Diagram



Note:

1. Dimensions are shown in mm.
2. Weight: 89g approx. (Exclude interchangeable plugs)
3. Optional output connector