

# MPU 15A

# Desktop

# 13~15W

Country of Origin : Taiwan  
 Operating Temperature : 0 ~ 70°C  
 Dimension : 91 x 38 x 36 mm

Approvals / Marks :



### Features:

Wide range input voltage 90~264 VAC  
 Output voltage available from 5 ~ 36 VDC. Output voltage set by factory.  
 Output connector: standard: 5.5 x 2.1 x 9.5mm or customer requirement  
 IEC320-C14 Input Inlet  
 Splash proof / Class 1 insulation / 100% burn-in tested  
 1 year warranty

### Specification:

	MODEL	Voltage	Load	Tolerance	Max. Output Power
OUTPUT	MPU 15A-102	5VDC	2.60A	5%	13W
	MPU 15A-103	7VDC	1.85A	5%	13W
	MPU 15A-104	9VDC	1.66A	5%	15W
	MPU 15A-105	12VDC	1.25A	5%	15W
	MPU 15A-106	16VDC	0.93A	5%	15W
	MPU 15A-107	18VDC	0.83A	5%	15W
	MPU 15A-108	24VDC	0.62A	3%	15W
	MPU 15A-109	30VDC	0.50A	3%	15W
	MPU 15A-110	36VDC	0.41A	3%	15W
		Efficiency	73% / 85% @ 230VAC, full load		
	Ripple & Noise (typ. / max)	0.5% / 1% @ 90VAC, full load			
INPUT	Voltage	90 ~ 264VAC			
	Frequency	47 ~ 63 Hz			
	Current (Low / High)	0.33A max @ 115VAC, full load condition / 0.18A max at 230VAC, full load condition			
	Inrush Current	16A@115VAC / 30A@230VAC input, full load condition. 25°C, Cold start			
	Leakage Current	0.3mA @240VAC, full load			
PROTECTION	Short Circuit	Output protected			
OTHERS	Startup time	<1s 100VAC full load			
	Holdup time	<16ms @ full load and 100VAC			
	Time of Transient Rresponse	4mS			
	Withstand Voltage (min)	I/P-O/P: 5600VDC I/P-FG: 2800VDC			
	Isolation Resistance (min)	50M Ohm / 500VDC			
	No Load Power Consumption	<0.3W			
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 40 ~ 70°C: 1.6%/°C / Storage: -40 ~ 85°C			
	Humidity	5% ~ 95% RH (non condensing)			
Connection	Input	IEC320-C14 (3 pole)			
	Output	Plug: standard: 5.5 x 2.1 x 9.5mm or customer requirement			
M.T.B.F.	100 Hrs. Operating Temperature at 25°C, Calculated per MIL-HDBK-217F				
SAFETY	Approved: UL / c-UL / TÜV / PSE / FC				
EMC	EMI	EN 55022 CLASS B at 230VAC, FCC Part15, FCC Part 18 at 120VAC CLASS B			
WEIGHT	N.W.: 0.170 kg				

# MPU 15B

# Desktop

# 13~15W

Country of Origin : Taiwan  
Operating Temperature : 0 ~ 70°C  
Dimension : 91 x 38 x 36 mm  
Approvals / Marks :



### Features:

Wide range input voltage 90~264 VAC  
Output voltage available from 5 ~ 36 VDC. Output voltage set by factory.  
Output connector: standard: 5.5 x 2.1 x 9.5mm or customer requirement  
IEC320-C8 Input Inlet  
Splash proof / Class 1 insulation / 100% burn-in tested  
1 year warranty

### Specification:

	MODEL	Voltage	Load	Tolerance	Max. Output Power
OUTPUT	MPU 15B-102	5VDC	2.60A	5%	13W
	MPU 15B-103	7VDC	1.85A	5%	13W
	MPU 15B-104	9VDC	1.66A	5%	15W
	MPU 15B-105	12VDC	1.25A	5%	15W
	MPU 15B-106	16VDC	0.93A	5%	15W
	MPU 15B-107	18VDC	0.83A	5%	15W
	MPU 15B-108	24VDC	0.62A	3%	15W
	MPU 15B-109	30VDC	0.50A	3%	15W
	MPU 15B-110	36VDC	0.41A	3%	15W
		Efficiency	73% / 85% @ 230VAC, full load		
	Ripple & Noise (typ. / max)	0.5% / 1% @ 90VAC, full load			
INPUT	Voltage	90 ~ 264VAC			
	Frequency	47 ~ 63 Hz			
	Current (Low / High)	0.33A max @ 115VAC, full load condition / 0.18A max at 230VAC, full load condition			
	Inrush Current	16A@115VAC / 30A@230VAC input, full load condition. 25°C, Cold start			
	Leakage Current	0.3mA @240VAC, full load			
PROTECTION	Short Circuit	Output protected			
OTHERS	Startup time	<1s 100VAC full load			
	Holdup time	<16ms @ full load and 100VAC			
	Time of Transient Rresponse	4mS			
	Withstand Voltage (min)	I/P-O/P: 5600VDC			
	Isolation Resistance (min)	50M Ohm / 500VDC			
	No Load Power Consumption	<0.3W			
Environment	Temperature	Operating: 0 ~ 70°C / Derating: 40 ~ 70°C: 1.6%/°C / Storage: -40 ~ 85°C			
	Humidity	5% ~ 95% RH (non condensing)			
Connection	Input	IEC320-C8 (2 pole)			
	Output	Plug: standard: 5.5 x 2.1 x 9.5mm or customer requirement			
M.T.B.F.		100 Hrs. Operating Temperature at 25°C, Calculated per MIL-HDBK-217F			
SAFETY		Approved: UL / c-UL / TÜV / PSE / FC			
EMC	EMI	EN 55022 CLASS B at 230VAC, FCC Part15, FCC Part 18 at 120VAC CLASS B			
WEIGHT		N.W.: 0.170 kg			