

SPECIFICATION

Description	220-240V, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, built-in use	

Product Name		MINI-12-350F
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Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.08A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	16W
Power Factor (Full load)	λ	0.90C
THD(Full load)		$\leq 40\%$
Efficiency (Full load)	η	$\geq 83\%$
No-load power		$\leq 0.5W$
Inrush current		$\leq 30A$
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	17-34V
Output Current (Full load)	Iout	350mA $\pm 5\%$
Output Power (Full load)	Pout	12W
Operating Frequency(Full load)	Fout	120KHz
Ripple & Noise		$\leq 70mA$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

Ambient

Storage Temperature	ts	-20 ...+ 70°C
Operating Ambient Temperature	ta	-20 ...+ 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ...85%

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

Withstand voltage		3.75KVAC,Ileakage<5.0mA,60s
Expected Life		50,000Hours

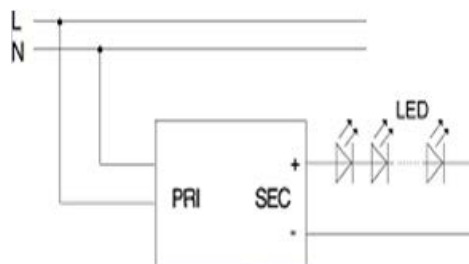
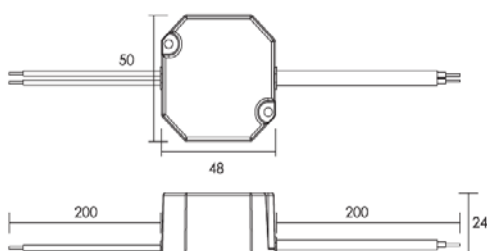
Compliances and approvals

Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

Note

1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor.
3. Expected Life:tc=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH):50x48x24mm

Housing Material:PC Plastic

Input Wire:L200 VDE H03VVH2-F 2x0.75² White; Output Wire: L200 UL 1007 18AWG Red&Black

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Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, built-in use	

Product Name	MINI-12-500F
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Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.08A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	16W
Power Factor (Full load)	λ	0.90C
THD(Full load)		$\leq 40\%$
Efficiency (Full load)	η	$\geq 83\%$
No-load power		$\leq 0.5W$
Inrush current		$\leq 30A$
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	12-24V
Output Current (Full load)	Iout	500mA $\pm 5\%$
Output Power (Full load)	Pout	12W
Operating Frequency(Full load)	Fout	120KHz
Ripple & Noise		$\leq 70mA$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

Ambient

Storage Temperature	ts	-20 ...+ 70°C
Operating Ambient Temperature	ta	-20 ...+ 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ...85%

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

Withstand voltage		3.75KVAC,Ileakage<5.0mA,60s
Expected Life		50,000Hours

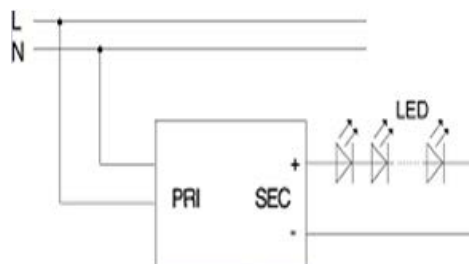
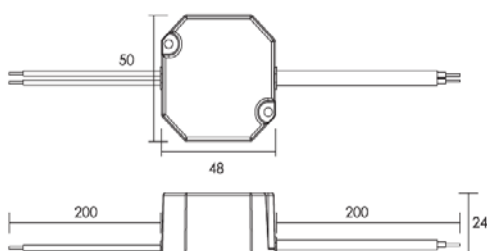
Compliances and approvals

Safety	EN 61347-2-13
RFI	EN 55015
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Immunity	EN 61547

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3. Expected Life:tc=80°C,0.2%/1000h failure rate

Physical Parameter



Dimensions(LxWxH):50x48x24mm

Housing Material:PC Plastic

Input Wire:L200 VDE H03VVH2-F 2x0.75² White; Output Wire: L200 UL 1007 18AWG Red&Black

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Class II, IP20, thermally protected 110, built-in use	

Product Name		MINI-12-700F
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Input Parameters

Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.08A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	16W
Power Factor (Full load)	λ	0.90C
THD(Full load)		$\leq 40\%$
Efficiency (Full load)	η	$\geq 83\%$
No-load power		$\leq 0.5W$
Inrush current		$\leq 30A$
Turn on time		$\leq 500ms$

Output Parameters

Output Voltage	Vout	8-17V
Output Current (Full load)	Iout	700mA $\pm 5\%$
Output Power (Full load)	Pout	12W
Operating Frequency(Full load)	Fout	120KHz
Ripple & Noise		$\leq 70mA$
Load Regulation		$\leq 5\%$
Line Regulation		$\leq 5\%$

Ambient

Storage Temperature	ts	-20 ...+ 70°C
Operating Ambient Temperature	ta	-20 ...+ 50°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ...85%

Protection

No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

System Parameters

Withstand voltage		3.75KVAC,Ileakage<5.0mA,60s
Expected Life		50,000Hours

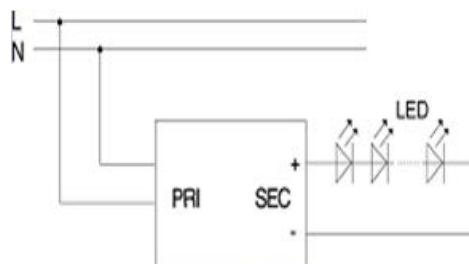
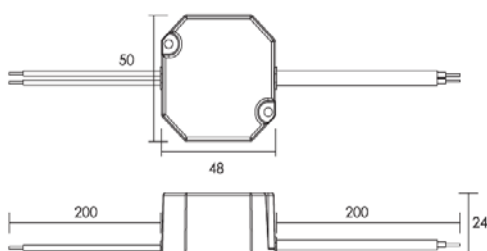
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