

PSU75S-AW Series case power supply

Typical performance

- Single output mode
- Total output power 75W
- Output voltage 12V/15V/24V/36V/48V
- Input voltage range 85~305VAC
- High isolation voltage 4000VAC
- Housing power supply



Input characteristic

Input voltage range	85~305VAC	120~430VDC
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General characteristic

Isolation voltage	Input-output: 4000VAC
Insulation resistance	$\geq 100M\Omega$
Mean time between failures	$\geq 3 \times 10^5 h$
Protection function	Short circuit protection, over current protection, over voltage protection
Operating temperature	$-30 \sim +70^\circ C$
Storage temperature	$-40 \sim +85^\circ C$
Storage humidity	10~95%RH
Cooling mode	Natural cooling

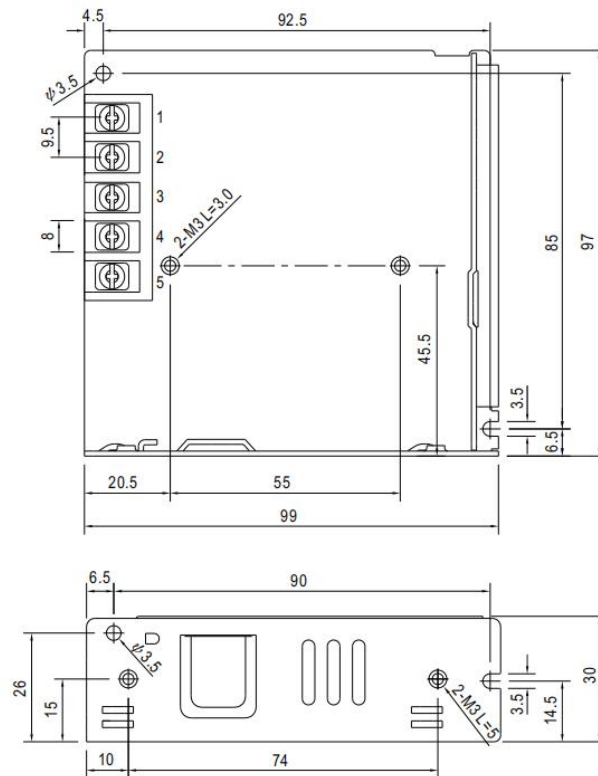
Output characteristic

Output voltage accuracy	Full load range, $\pm 1\%$
Load effect	0%~100% load, $\pm 0.5\%$
Source effect	Rated load, $\pm 0.5\%$
Ripple noise	20MHz bandwidth (peak-to-peak), $< 200mVp-p$
Conversion efficiency	Reference selection table
Temperature coefficient	$\leq \pm 0.03\%/^\circ C$ (0-50°C)

■ Selection list

Model number	Input voltage range Vac/Vdc	Output voltage/current (V) / (A)	Maximum capacitive load (μ F)	Typical efficiency (%)
PSU75S-12-AW	85V-305V/120V-430V	12/6.00	6000	89
PSU75S-15-AW	85V-305V/120V-430V	15/5.00	5000	89
PSU75S-24-AW	85V-305V/120V-430V	24/3.20	1500	91
PSU75S-36-AW	85V-305V/120V-430V	36/2.10	1000	91
PSU75S-48-AW	85V-305V/120V-430V	48/1.60	680	92.5

■ Selection list



■ Pin definition

definition	1	2	3	4	5
Instructions	AC/L	AC/N	FG	-V	+V