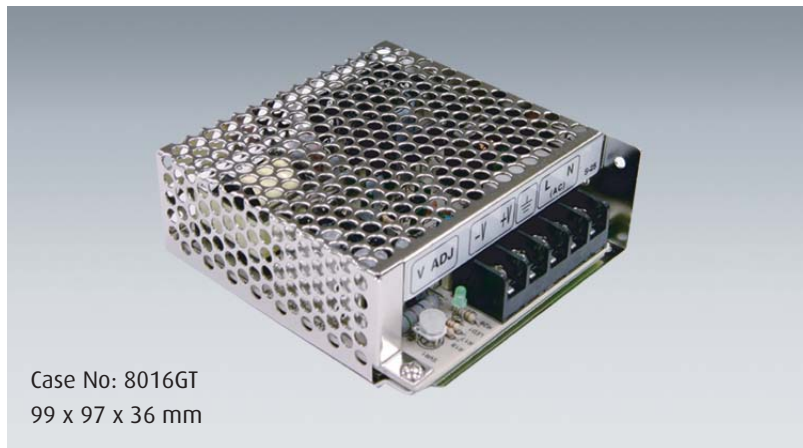


# S-25 Series

## 25W Single Output Switching Power Supplies



Case No: 8016GT  
99 x 97 x 36 mm

### Features

- Universal AC input / Full range
- Protections: Short circuit/Over load/Over voltage
- Cooling by free air convection
- 100% full load burn-in test
- Fixed switching frequency at 56KHz



### Specification

<b>INPUT</b>	<b>Voltage</b>	85V ~ 264VAC universal full range or 120V ~ 370VDC			
	<b>Frequency</b>	47 ~ 63 Hz			
	<b>Current</b>	<0.6A@115V; 0.35@230V AC input, full load			
	<b>Inrush Current</b>	<13A@115VAC, <25A@230VAC input, Cold start at 25°C ambient			
	<b>Leakage Current</b>	<0.75mA@240VAC input			
<b>OUTPUT</b>	<b>MODEL No.</b>	<b>S-25-5</b>	<b>S-25-12</b>	<b>S-25-15</b>	<b>S-25-24</b>
	<b>Voltage</b>	5V	12V	15V	24V
	<b>Rated Load</b>	5A	2.1A	1.7A	1.1A
	<b>Range Load</b>	0~5A	0~2.1A	0~1.7A	0~1.1A
	<b>Output Tolerance</b>	± 2%	± 1%	± 1%	± 1%
	<b>Line Regulation</b>	± 0.5%	± 0.5%	± 0.5%	± 0.5%
	<b>Load Regulation</b>	± 1%	± 0.5%	± 0.5%	± 0.5%
	<b>Ripple Noise MAX.</b>	50mV	100mV	100mV	100mV
	<b>Efficiency (TYP.; at 115VAC)</b>	72%	76%	77%	80%
	<b>Power</b>	25W	25.2W	25.5W	26.4W
<b>PROTECTION</b>	<b>Over Voltage</b>	5.75~6.75V	13.8~16.2V	17.25~20.25V	27.6~32.4V
		Hiccup mode, recovers automatically after fault condition is removed			
	<b>Over Load &amp; Short Circuit</b>	When power supply over 105%~ 150% max load or short circuited, power supply will go into hiccup mode and recover automatically after the fault is removed.			
<b>ELEC. CHAR.</b>	<b>Rise Time</b>	<50mS at nominal AC input at full load			
	<b>Hold up Time</b>	>90mS@230V, 12mS@115VAC full load condition			
	<b>Setup Time</b>	<0.3 Sec@230VAC; 0.8@115VAC			
<b>ENVIRONMENT</b>	<b>Temperature</b>	Operating: -10 ~ +60°C; Storage: -20~ +95°C			
	<b>Humidity</b>	Operating: 20% ~ 90% RH; Storage: 10% ~ 95% RH (non condensing)			
<b>SAFETY</b>	<b>Withstand Voltage</b>	I/P-O/P:3KVAC, I/P-FG:1.5KVAC, O/P-FG:0.5KVAC, 1minute			
	<b>Isolation Resistance</b>	I/P-O/P, I/P-FG, O/P-FG 100MΩ/500VDC			
	<b>Safety Standard</b>	UL1012, TUV EN60950-1 Approved.			
<b>EMC</b>	<b>EMI</b>	Compliance to EN55022; EN61000-3-2,3			
	<b>EMS</b>	EN61000-4-2,3,4,5; EN55024			
<b>OTHERS</b>	<b>Cooling</b>	Natural cooling			
	<b>M.T.B.F.</b>	330.8K hours			
	<b>Packing</b>	0.39Kg; 45pcs/18Kg/0.9 CUFT			

1 All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C 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 Tolerance : includes set up tolerance, line regulation and load regulation.

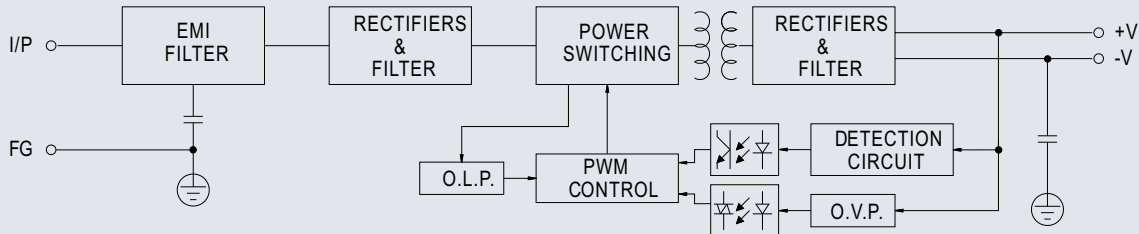
4 The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.

# S-25 Series

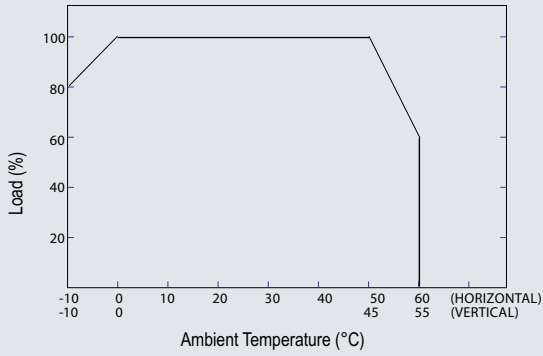
25W Single Output Switching Power Supplies



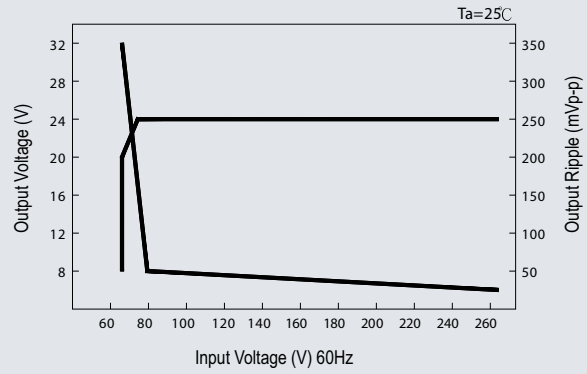
## Block Diagram



## De-Rating Curve



## Static Characteristics (24V)



## Dimensions

Terminal Pin. No Assignment:

Pin No.	Assignment
1	DC OUTPUT -V
2	DC OUTPUT +V
3	FG
4	AC/L
5	AC/N

