

KS5 SPECIFICATIONS

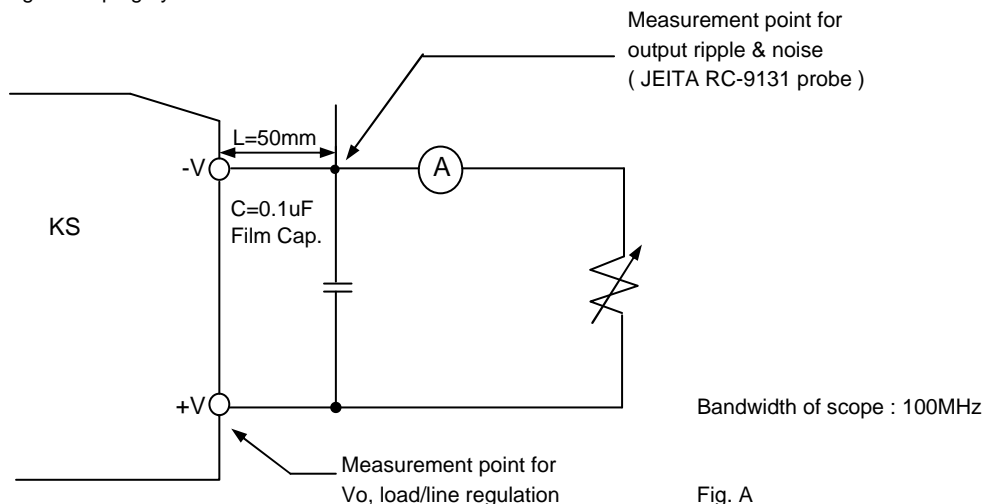
PA757-01-01A

ITEMS		MODEL	KS5-5	KS5-12
1	Nominal Output Voltage	V	5	12
2	Minimum Output Current	A	0	0
3	Maximum Output Current	A	1.0	0.45
4	Maximum Output Power	W	5.0	5.4
5	Efficiency (Typ) (*1)	%	67	69
6	Input Voltage Range (*2)	-	85 - 132VAC (47 - 440Hz) or 110 - 175VDC	
7	Input Current (Typ) (*1)	-	0.2A at 100VAC	
8	Inrush Current (Typ)	-	15A at 100VAC, Ta=25°C	
9	Output Voltage Range	-	Fixed ±5% (Max)	
10	Maximum Ripple & Noise (*3)	mV	120	150
11	Maximum Line Regulation (*3, *4)	mV	20	48
12	Maximum Load Regulation (*3, *5)	mV	40	96
13	Maximum Temperature Drift (*3, *6)	mV	50	120
14	Over Current Protection (*7)	-	105% -	
15	Over Voltage Protection (*8)	-	110% -	
16	Parallel Operation	-	-	
17	Series Operation	-	Possible	
18	Hold-Up Time (Typ)	-	17ms at 5W, 100 VAC, Ta = 25°C	
19	Operating Temperature	-	-10 - +70°C (-10°C : 80%, 0 - +50°C : 100%, +70°C : 25%)	
20	Operating Humidity	-	30 - 90%RH (No dewdrop)	
21	Storage Temperature	-	-30 - +85°C	
22	Storage Humidity	-	20%RH - 95%RH (No dewdrop)	
23	Cooling	-	Convection Cooling	
24	Withstand Voltage	-	Input - Output : 2kVAC (20mA), Input - FG : 2kVAC (20mA), Output - FG : 500VAC (100mA) for 1min each.	
25	Isolation Resistance	-	More than 100MΩ at 25°C and 70%RH Output - FG 500VDC	
26	Vibration	-	10 - 55Hz, Constant Amplitude 1.65mm p-p (Max 98.1m/s ²), sweep 1 min X,Y,Z 1 h each	
27	Shock	-	Less than 490.3m/s ² for 11±5ms on ±(X, Y, Z) axis each 3 times	
28	Safety	-	Approved by UL60950-1, CSA C22.2 No.60950-1 Designed to meet DENAN	
29	Conducted Radio Noise	-	Designed to meet VCCI - Class A, FCC class B	
30	Weight	-	70g	
31	Size (WxHxD)	mm	43 x 19.5 x 48	

*Read instruction manual carefully, before using the power supply unit.

NOTES :

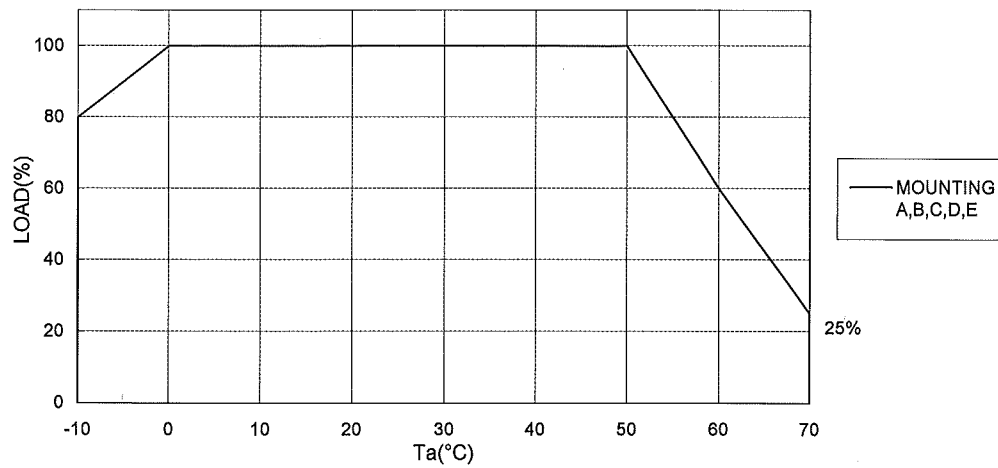
- * 1 : At 100VAC and Maximum Output Power, Ta = 25°C.
- * 2 : For cases where conformance to various safety specs (UL, CSA) are required, to be described as 100 - 240VAC, 50 / 60Hz on name plate.
- * 3 : Please refer to Fig. A for measurement determination of line & load regulation and output ripple & noise voltage.
- * 4 : From 85 - 132VAC, constant load.
- * 5 : From Min load - Full load (Maximum power), constant input voltage.
- * 6 : From 0 - +50°C, constant input voltage and load.
- * 7 : Current limiting with automatic recovery. Avoid to operate over load or dead short for more than 30 seconds.
- * 8 : Over Voltage Clamping by Zener Diode.



KS5 OUTPUT DERATING

Ta (°C)	LOAD (%)				
	MOUNTING : A	MOUNTING : B	MOUNTING : C	MOUNTING : D	MOUNTING : E
-10	80	80	80	80	80
0 ~ +20	100	100	100	100	100
25	100	100	100	100	100
40	100	100	100	100	100
50	100	100	100	100	100
60	60	60	60	60	60
70	25	25	25	25	25

OUTPUT DERATING CURVE



MOUNTING : A

MOUNTING : B

MOUNTING : C

MOUNTING : D

MOUNTING : E

(STANDARD MOUNTING)

