

Model name : SEG60N2-24.0\*(1A722W-\*)

Input Voltage (V)	MIN	90
	NOM	100
	MAX	265

Output Current (A)	CH-1	
	24.0V	
	MIN	0.00
	NOM	2.50
	MAX(参考)	2.70

Ta	
MIN	0°C
NOM	25°C
MAX	35°C

Input Characteristics (1)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
90V	MIN	Input Current (A)	0.013	0.013	0.013	--	--
		Input Power (W)	0.120	0.115	0.114	--	--
		Power Factor	0.106	0.101	0.101	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.198	1.239	1.245	--	--
		Input Power (W)	71.860	69.340	69.070	--	--
		Power Factor	0.664	0.620	0.614	--	--
		Efficiency (%)	82.48	85.80	86.06	--	--
100V	MIN	Input Current (A)	0.014	0.014	0.014	--	--
		Input Power (W)	0.119	0.116	0.114	--	--
		Power Factor	0.087	0.085	0.084	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.109	1.143	1.150	1.5A or less	Good
		Input Power (W)	70.260	68.440	68.180	--	--
		Power Factor	0.632	0.597	0.591	--	--
		Efficiency (%)	84.63	86.93	87.18	--	--
240V	MIN	Input Current (A)	0.030	0.030	0.030	--	--
		Input Power (W)	0.144	0.144	0.144	--	--
		Power Factor	0.020	0.020	0.020	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.592	0.634	0.645	--	--
		Input Power (W)	67.420	66.610	66.470	--	--
		Power Factor	0.473	0.437	0.428	--	--
		Efficiency (%)	88.26	89.26	89.38	--	--
265V	MIN	Input Current (A)	0.033	0.033	0.033	--	--
		Input Power (W)	0.156	0.156	0.156	--	--
		Power Factor	0.017	0.018	0.018	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.554	0.594	0.604	--	--
		Input Power (W)	67.320	66.530	66.410	--	--
		Power Factor	0.459	0.424	0.415	--	--
		Efficiency (%)	88.38	89.36	89.45	--	--

Input Characteristics (2)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
230V	NOM	Inrush Current (Cold start) (A)	--	70.0	--	100A <sub>o-p</sub> 以下 (定格入出力, コールドスタート時)	Good
240V	NOM	Leakage Current (μA) HIOKI ST5541 : Network C (ON1), Peak, Input 50/60Hz	50Hz		60Hz	120uA or less (Vin 240V/50Hz)	Good
			50.90		60.30		

## Output Characteristics (1)

	Ta	Input Voltage	Output Current	Result					Judge
				24.0V					
Setup Voltage	NOM	100V	NOM	23.800					Good
Output Voltage (V)	MIN	90V	MIN	24.227					Good
		265V		24.228					
		90V	NOM	23.847					
		100V		23.847					
		240V		23.831					
		265V		23.829					
	90V	MAX	23.818						
	265V		23.801						
	NOM	90V	MIN	24.218					
		265V		24.218					
		90V	NOM	23.800					
		100V		23.800					
		240V		23.782					
		265V		23.778					
	90V	MAX	23.760						
265V	23.739								
MAX	90V	MIN	24.221						
	265V		24.219						
	90V	NOM	23.777						
	100V		23.776						
	240V		23.761						
	265V		23.759						
90V	MAX	23.741							
265V		23.721							
Drift Temperature (V)		100V	NOM	0.047 -0.024					--
Drift Time Effect (V)	25°C	100V	NOM	-0.002 0.005					--
Total Regulation (V)				23.720					Good
				~ 24.263					
	Specifications			22.000					
				~ 26.000					

## Output Characteristics (2)

	Ta	Input Voltage	Output Current	Result				Judge
				Input Frequency		Switching Frequency		
				Ripple	Noise	Ripple	Noise	
Ripple Voltage (mV)	MIN	90V	NOM	150	156	130	137	Good
	NOM	/		89	96	74	92	
	MAX	265V		88	96	58	92	
	Specification				350		350	

## Protection

	Ta	Input Voltage	Output Current	Result					Judge
				24.0V					
Over Current Protection (A)	0°C	90V	---	3.280					Good
		265V		3.430					
	25°C	90V	---	3.250					
		265V		3.440					
	35°C	90V	---	3.260					
		265V		3.440					
Specifications			2.7A or more	---					
Over Voltage Protection (V)	MIN	265V	Half Load	30.267					
	NOM			30.286					
	MAX			30.332					
	Specifications (Ta NOM)			36V or less					

## Others Characteristics

	Input Voltage	Output Current	Result				Specifications	Judge
Low Temperature Power ON	90V	NOM	Test Condition : -15°C OK				0°C	Good
High Temperature Power ON	90V	NOM	Test Condition : +80°C OK				35°C	Good
Output Short and Short Power ON With OCP	90V / 265V	---	Ta	MIN	NOM	MAX	--	--
	24.0V		Shutdown (Latch Off)					
Output Short and Short Power ON With shorter	90V / 265V	---	Ta	MIN	NOM	MAX	--	--
	24.0V		Shutdown (Latch Off)					

## Insulation

	Result				Specifications	Judge	
Hi-pot	Primary to Secondary (kV) Leak Current (mA)	--	100%	120%	Limit	3.0kV for 1min 3.6kV for 1sec 5mA or less	Good
		3.00	3.60	4.32	--		
		Pass	Pass	Pass	--		
Insulation Resistance (DC500V Mega)	Primary to Secondary : 1000 MΩ more than				50 MΩ min	Good	

## Outside Noise Capability

	Input Voltage	Output Current	Result				Specifications	Judge
ESD (Electrostatic Discharge) C: 150pF, R: 330Ω	90V / 265V	MIN / MAX	Specification x 140%				±8kV(Contact) 10 times	Good
			Contact	±11.2 kV No Error, No damage				
EFT (Electrical Fast Transien/ Burst)  Frequency: 5.0 kHz Duration : 60 Second	240V	MIN / MAX	Specification x 120%				±1kV No Error	--
			L1	±1.2 kV No Error, No damage				
			L2	±1.2 kV No Error, No damage				
			FG	±1.2 kV No Error, No damage				
			L1, L2	±1.2 kV No Error, No damage				
			L1, FG	±1.2 kV No Error, No damage				
			L2, FG	±1.2 kV No Error, No damage				
Lightning surge Impedance 2Ω, 1.2x50us	240V	NOM	Specification x 120%				L-L ±1.0kV L-FG ±2.0kV 5 times No Error	Good
			L-L	±1.2 kV No Error, No damage				
			L-FG	±2.4 kV No Error, No damage				