

Model name : SEE75N2-12.0*(1A688W-*)

Input Voltage (V)	MIN	90
	NOM	100
	MAX	264

Output Current (A)	CH-1	
	12.0V	
	MIN	0.00
	NOM	5.00
	MAX(参考)	5.84

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 (mA)	9.348	9.336	9.288	--	--
		Input Power (W)	0.0384	0.0372	0.0372	--	--
		Power Factor	0.0457	0.0447	0.0451	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.2804	1.2708	1.3056	--	--
		Input Power (W)	69.240	68.520	69.240	--	--
		Power Factor	0.6015	0.6012	0.5888	--	--
		Efficiency (%)	86.23	86.78	85.69	--	--
100V	MIN	Input Current (mA)	10.260	10.236	10.188	--	--
		Input Power (W)	0.0408	0.0420	0.0396	0.1W or less Ta=25°C	Good
		Power Factor	0.0396	0.0387	0.0389	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.1688	1.1628	1.1988	1.6A or less	Good
		Input Power (W)	68.640	68.040	68.640	--	--
		Power Factor	0.5883	0.5863	0.5735	--	--
		Efficiency (%)	86.98	87.41	86.44	--	--
240V	MIN	Input Current (mA)	23.664	23.484	23.616	--	--
		Input Power (W)	0.0720	0.0720	0.0780	0.1W or less Ta=25°C	Good
		Power Factor	0.0124	0.0129	0.0168	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.6504	0.6564	0.7128	--	--
		Input Power (W)	67.680	67.080	67.800	--	--
		Power Factor	0.4372	0.4258	0.3980	--	--
		Efficiency (%)	88.19	88.63	87.49	--	--
264V	MIN	Input Current (mA)	25.992	25.812	25.812	--	--
		Input Power (W)	0.0840	0.0840	0.0890	--	--
		Power Factor	0.0115	0.0125	0.0164	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.6036	0.6156	0.6708	--	--
		Input Power (W)	67.800	67.080	67.800	--	--
		Power Factor	0.4273	0.4140	0.3834	--	--
		Efficiency (%)	88.03	88.63	87.49	--	--

Input Characteristics (2)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
	NOM	Inrush Current Vin=120V (Cold start) (A) Vin=240V	--	64.4	--	150A _{o-p} 以下 (定格入出力, コールドスタート時)	Good
			--	79.2	--		
230V	NOM	Leakage Current (μ A) HIOKI ST5541 : Network C (ON1), Peak, Input 50/60Hz	50Hz		60Hz	120uA or less (Vin 230V/50Hz)	Good
			45.54		56.40		

Output Characteristics (1)

	Ta	Input Voltage	Output Current	Result					Judge
				12.0V					
Setup Voltage	NOM	100V	NOM	11.895					Good
Output Voltage (V)	MIN	90V	MIN	12.364					Good
		264V		12.361					
		90V	NOM	11.941					
		100V		11.940					
		240V		11.937					
		264V		11.937					
	90V	MAX	11.868						
	264V		11.866						
	NOM	90V	MIN	12.366					
		264V		12.363					
		90V	NOM	11.892					
		100V		11.895					
		240V		11.890					
		264V		11.890					
	90V	MAX	11.617						
264V	11.612								
MAX	90V	MIN	12.366						
	264V		12.365						
	90V	NOM	11.867						
	100V		11.867						
	240V		11.863						
	264V		11.863						
90V	MAX	11.556							
264V		11.554							
Drift Temperature (V)		100V	NOM	0.045 -0.028					--
Drift Time Effect (V)	25°C	100V	NOM	0.000 0.006					--
Total Regulation (V)				11.590 ~ 12.411					Good
			Specifications	10.800 ~ 13.200					

Output Characteristics (2)

	Ta	Input Voltage	Output Current	Result				Judge
				Input Frequency		Switching Frequency		
				16.0V		16.0V		
				Ripple	Noise	Ripple	Noise	
Ripple Voltage (mV)	MIN	90V	NOM	151	168			Good
	NOM	/		80	96			
	MAX	264V		71	85			
	Specification			500				

Protection

	Ta	Input Voltage	Output Current	Result					Judge
				12.0V					
Over Current Protection (A)	0°C	90V	---	6.95					Good
		264V		7.65					
	25°C	90V	---	6.95					
		264V		7.65					
	35°C	90V	---	7.00					
		264V		7.65					
			Specifications	5.0A or more	--				
Over Voltage Protection (V)	MIN	264V	Half Load	16.082					
	NOM			16.061					
	MAX			16.007					
	Specifications (Ta NOM)			25V 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	---	Ta	MIN	NOM	MAX	--	--
	/		12.0V	Shutdown (Latch Off)				
Output Short and Short Power ON With shorter	90V	---	Ta	MIN	NOM	MAX	--	--
	/		12.0V	Shutdown (Latch Off)				
	264V							

Insulation

	Result				Specifications	Judge	
Hi-pot	Primary to Secondary (kV) Leak Current (mA)	--	100%	120%	Limit	3.0kV for 1min 3.6kV for 1sec 10mA or less	Good
		3.00	3.60	4.21	--		
		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	MIN	Specification x 120%				±8kV(Contact) 10 times	Good
	/	/	Contact	±10 kV No Err				
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				
L1, L2, FG	±1.2 kV No Error, No damage							
Lightning surge Impedance 2Ω, 1.2x50us	240V	NOM	Specification x 120%				L-N±1.0kV L-FG±2.0kV 5 times No Error	Good
			L-L	±1.2 kV No Err, No Damage				
			L-N	±1.2 kV Sample is Damage				