

Model name : SEE75N2-19.0*(1A658W-*)

Input Voltage (V)	MIN	90
	NOM	100
	MAX	264

Output Current (A)	CH-1	
	19.0V	
	MIN	0.00
	NOM	3.42
	MAX(参考)	3.95

Ta	
MIN	0°C
NOM	25°C
MAX	40°C

Input Characteristics (1)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
90V	MIN	Input Current (mA)	10.296	9.605	10.187	--	--
		Input Power (W)	0.2064	0.2010	0.1980	--	--
		Power Factor	0.2243	0.2315	0.2171	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.3563	1.3683	1.3501	--	--
		Input Power (W)	74.76	74.46	74.22	--	--
		Power Factor	0.6113	0.6012	0.6089	--	--
		Efficiency (%)	85.66	85.89	86.12	--	--
100V	MIN	Input Current (mA)	10.501	10.035	9.623	--	--
		Input Power (W)	0.2070	0.2010	0.1986	0.3W or less Ta=25°C	Good
		Power Factor	0.2078	0.2138	0.2049	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	1.2266	1.2426	1.2461	1.6A or less	Good
		Input Power (W)	73.86	73.56	73.38	--	--
		Power Factor	0.6011	0.5916	0.5876	--	--
		Efficiency (%)	86.71	86.94	87.11	--	--
240V	MIN	Input Current (mA)	17.232	17.129	16.618	--	--
		Input Power (W)	0.2472	0.2220	0.2322	0.3W or less Ta=25°C	Good
		Power Factor	0.0610	0.0510	0.0566	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.5909	0.6083	0.6164	--	--
		Input Power (W)	71.94	71.46	71.40	--	--
		Power Factor	0.5069	0.4887	0.4821	--	--
		Efficiency (%)	89.05	89.51	89.52	--	--
264V	MIN	Input Current (mA)	18.474	19.323	18.446	--	--
		Input Power (W)	0.2538	0.2400	0.2484	--	--
		Power Factor	0.0539	0.0517	0.0494	--	--
		Efficiency (%)	--	--	--	--	--
	NOM	Input Current (A)	0.5577	0.5739	0.5829	--	--
		Input Power (W)	72.24	71.64	71.58	--	--
		Power Factor	0.4899	0.4701	0.4650	--	--
		Efficiency (%)	88.68	89.29	89.30	--	--

Input Characteristics (2)

Input Voltage	Output Current	Ta	Result			Specifications	Judge
			MIN	NOM	MAX		
--	NOM	Inrush Current Vin=120V (Cold start) (A) Vin=240V	--	26.4	--	150A _{o-p} 以下 (定格入出力, コールドスタート時)	Good
			--	59.0	--		
230V	NOM	Leakage Current (μA) HIOKI ST5541 : Network C (ON1), Peak, Input 50/60Hz	50Hz		60Hz	120uA or less (Vin 230V/50Hz)	Good
			59.40		68.20		

Output Characteristics (1)

	Ta	Input Voltage	Output Current	Result				Judge	
				19.0V					
Setup Voltage	NOM	100V	NOM	18.699				Good	
Output Voltage (V)	MIN	90V	MIN	19.180				Good	
		264V		19.185					
		90V	NOM		18.726				
		100V			18.727				
		240V			18.731				
		264V			18.731				
	90V	MAX		18.558					
	264V			18.603					
	NOM	90V	MIN		19.188				
		264V			19.189				
		90V	NOM		18.699				
		100V			18.699				
		240V			18.703				
		264V			18.703				
	90V	MAX		18.623					
	264V			18.631					
MAX	90V	MIN		19.198					
	264V			19.197					
	90V	NOM		18.690					
	100V			18.690					
	240V			18.690					
	264V			18.691					
90V	MAX		18.616						
264V			18.621						
Drift Temperature (V)			NOM	0.028				Good	
				-0.009					
Drift Time Effect (V)	NOM		NOM	0.008				Good	
				0.000					
Total Regulation (V)				18.690				Good	
				~ 19.225					
Specifications				18.050				Good	
				~ 19.950					

Output Characteristics (2)

	Ta	Input Voltage	Output Current	Result				Judge
				Input Frequency		Switching Frequency		
				16.0V		16.0V		
Ripple Voltage (mV)	MIN / NOM / MAX	90V / 264V	NOM	Ripple	Noise	Ripple	Noise	Good
				210	220			
				100	110			
				80	90			
Specification				500				

Protection

	Ta	Input Voltage	Output Current	Result				Judge
				19.0V				
Over Current Protection (A)	MIN	90V	--	4.40				Good
		264V		4.40				
	NOM	90V	--	4.50				
		264V		4.50				
	MAX	90V	--	4.60				
		264V		4.60				
Specifications				4.2A or more				
Over Voltage Protection (V)	MIN	264V	Half Load	23.915				
	NOM			24.056				
	MAX			24.123				
	Specifications (Ta NOM)				30V 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	40°C	Good			
Output Short and Short Power ON With OCP	90V / 264V	---	Ta	MIN	NOM	MAX	---	---
			19.0V	Shutdown(Bounce)				
Output Short and Short Power ON	MIN-MAX	---	Ta	MIN	NOM	MAX	---	---
			19.0V	Shutdown(Bounce)				

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 / 264V	MIN / MAX	Specification x 120% Contact ±10 kV No Err	±8kV(Contact) 10 times	Good
EFT (Electrical Fast Transien/ Burst) Frequency : 5.0 kHz Duration : 60 Second	240V	MIN / MAX	Specification x 120% 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	±1kV No Error	--
Lightning surge Impedance 2Ω, 1.2x50us	240V	NOM	Specification x 120% L-L ±1.2 kV No Err, No Damage L-N ±1.2 kV Sample is Damage	L-N±1.0kV L-FG±2.0kV 5 times No Error	Good