



DIMENSION : 22.5*90*100mm

Features:

- Universal AC input/Full range
- Protections: Short circuit/Overload/Over voltage
- Cooling by free air convection
- Built-in EMI filter with minimal Bellows
- Can work continuously for 4300 hours at 25°C
- 100% full load burn-in test
- Complay with IEC/EN68335-1(PD3) and IEC/EN61558-1,2-16
IEC/EN61558-1,2-16 suitable for household appliance apps
- 2 years warranty

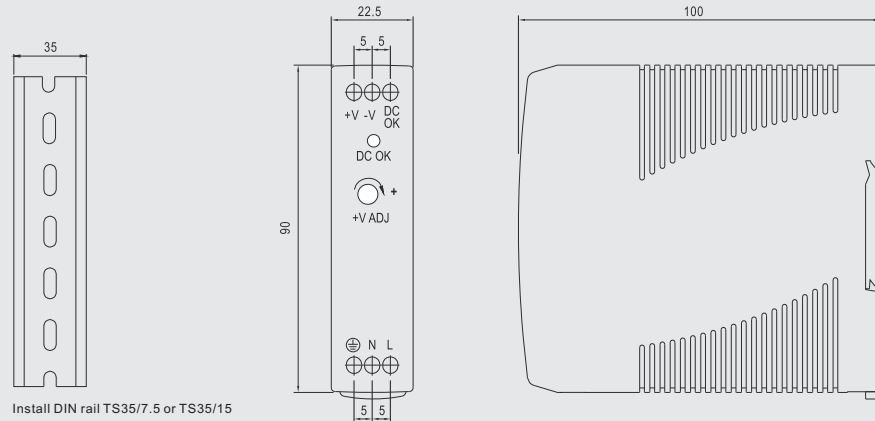
SPECIFICATION



MODEL		SA55MDR2005	SA55MDR2024	SA55MDR2036	SA55MDR2048
OUTPUT	DC VOLTAGE	5V	24V	36V	48V
	RATED CURRENT	4A	1A	0.6A	0.4A
	CURRENT RANGE	0 ~ 4A	0 ~ 1A	0 ~ 0.6A	0 ~ 0.4A
	RATED POWER	20W	24W	21.6W	19.2W
	RIPPLE&NOISE(Max.) Note.2	120mVp-p	150mVp-p	150mVp-p	180mVp-p
	VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	21.6 ~ 26.4V	32.4 ~ 39.6V	43.2 ~ 52.8V
	VOTAGE TOLERANCE Note.3	±1.0%	±1.0%	±1.0%	±1.0%
	LINE REGULATION	±1.0%	±1.0%	±0.2%	±0.2%
	LOAD REGULATION	±1.0%	±1.0%	±0.5%	±0.5%
	SETUP, RISE TIME Note.5	500ms,30ms/230VAC 1000ms,30ms/115VAC (at full load)			
	HOLD UP TIME (Typ.)	50ms/230VAC 20ms/115VAC(at full load)			
INPUT	VOLTAGE RANGE Note.4	85~264VAC or 120~370VDC			
	FREQUENCY RANGE	47~63Hz			
	EFFICIENCY(Typ.)	78%	80%	81%	84%
	AC CURRENT(Typ.)	0.55A/115VAC 0.35A/230VAC			
	INRUSH CURRENT(Typ.)	COLD START 20A/115VAC 40A/230VAC			
	LEAKAGE CURRENT	<1mA/240VAC			
PROTECTION	OVERLOAD	105 ~ 160% rated output power Protection type : Hiccup mode , recovers automatically after fault condition is removed			
	OVER VOLTAGE	Protection type: Shut down o/p voltage , recovers automatically after fault condition is removed			
FUNCTION	DC OK ACTIVE SIGNAL(Max.)	9~13.5V/40mA	18~27V/20mA	30~41V/10mA	41~54V/10mA
ENVIRONMENT	WORKING TEMP.	-20 ~ +70°C (Refer to "Derating Curve")			
	WORKING HUMDITY	20 ~ 90% RH non-condensing			
	STORAGE TEMP.,HUMIDITY	-20 ~ +85°C , 10 ~ 90% RH			
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)			
	VIBRATION	Component:10~500Hz, 2G 10min./1cycle, 60min. each along X,Y,Z axes; Mounting: Compliance to IEC60068-2-6			
SFAETY & EMC	SAFETY STANDARDS	Complay with CE and GB4943.1 safety standards			
	WITHSTAND VOLTAGE	I/P-O/P:2KVAC 1minute I/P-FG:2KVAC 1minute O/P-PG:0.5KVAC 1minute			
	ISOLATION RESISTANCE	I/P-O/P,I/P-FG,O/P-FG : 100M Ohms/500VDC/25°C/70%RH			
	EMC EMISSION	EN61000-3-2:2014/EN61000-3-3:2013			
	EMC IMMUNITY	EN 55032:2015/EN55035:2017/60950-1			
OTHERS	MTBF	≥236.9K hrs. MIL-HDBK-217F(25°C)			
	DIMENSION	22.5*90*100mm(W*H*D)			
	PACKING	0.19Kg; 72pcs/14.7Kg/0.91CUFT			
NOTE		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 output needs to be reduced under the condition of low input voltage, refer to the derating curve chart for details. 5. Length of set up time is measured at cold first start. Turning ON/OFF the power supply may increase of the set up time.			

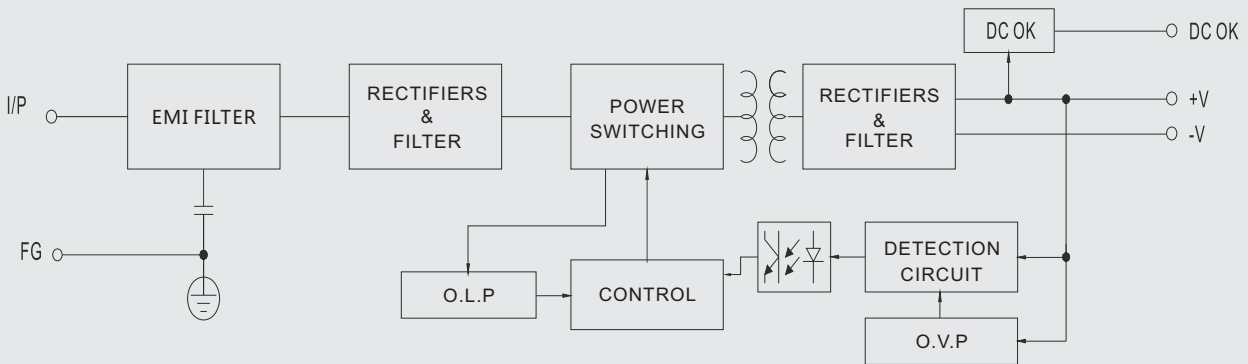
Mechanical Specification

Measurement unit: mm



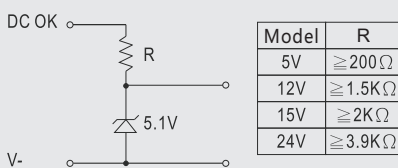
Block Diagram

fosc:60KHz

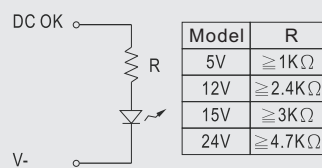


DC OK Relay Contact

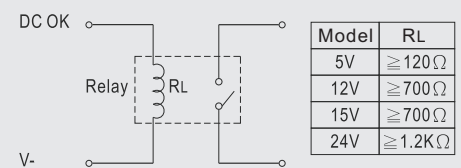
(a) 5V signal



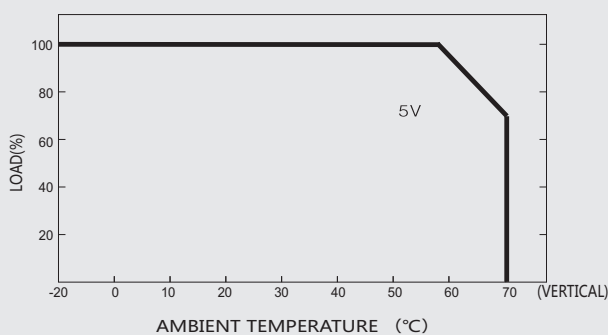
(b) LED



(c) Relay



Derating Curve



Output Derating VS Input Voltage

