
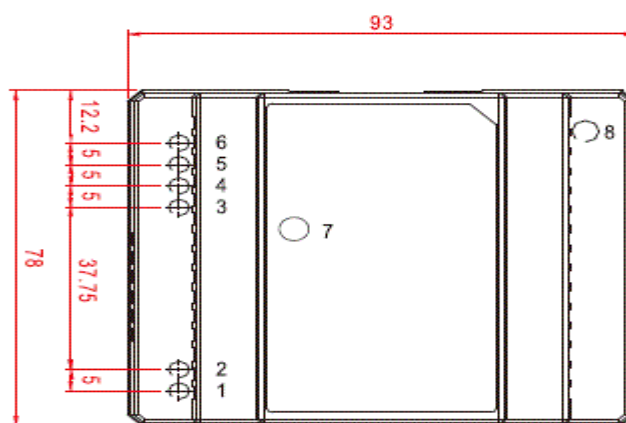
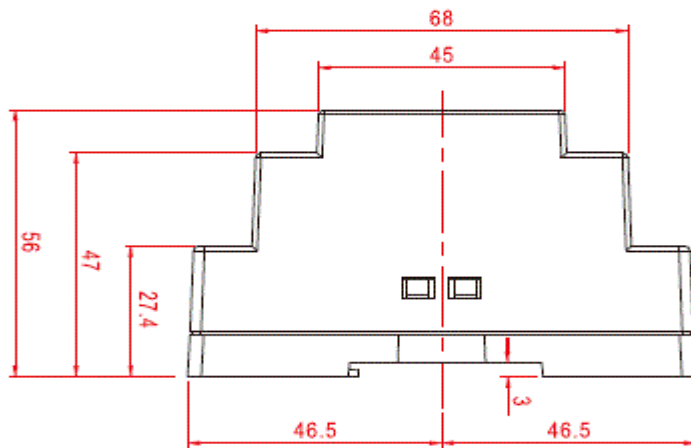




SCHMID-M

MODEL				
	SDR-45-5 M	SDR-45-12 M	SDR-45-15 M	SDR-45-24 M
DC VOLTAGE	5V	12V	15V	24V
RATED CURRENT	5A	3.5A	2.8A	2A
CURRENT RANGE	0 ~ 5A	0 ~ 3.5A	0 ~ 2.8A	0 ~ 2A
RATED POWER	25W	42W	42W	48W
RIPPLE & NOISE (max.)	100mVp-p	200mVp-p	240mVp-p	480mVp-p
VOLTAGE ADJ. RANGE	4.75 ~ 5.5V	10.8 ~ 13.2V	13.5 ~ 16.5V	21.6 ~ 26.4V
VOLTAGE TOLERANCE	±2.0%	±1.0%	±1.0%	±1.0%
LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
LOAD REGULATION	±1.0%	±1.0%	±1.0%	±1.0%
SETUP, RISE TIME	80ms, 60ms/230VAC at full load			
HOLD TIME(Typ.)	100ms/230VAC at full load			
VOLTAGE RANGE	85 ~ 264VAC 120 ~ 370VDC			
FREQUENCY RANGE	47 ~ 63Hz			
EFFICIENCY (Typ.)	72%	77%	77%	80%
AC CURRENT	1.5A/115VAC 0.75A/230VAC			
INRUSH CURRENT(max.)	COLD START 28A/115VAC 56A/230VAC			
LEAKAGE CURRENT	<1mA/240VAC			
OVERLOAD	105 ~ 150% rated output power			
	Protection type : Constant current limiting,recovers automatically after fault condition is removed			
OVER VOLTAGE	5.75 ~ 6.75V	13.8 ~ 16.2V	17.25 ~ 20.25V	27.6 ~ 32.4V
	Protection type : Shut down o/p voltage,re-power on to recover			
OVER TEMPERATURE	Tj 135°C typically (U1) Detect on heat sink of power transistor			
	Protection type : Shut down o/p voltage, recovers automatically after temperature goes down			
WORKING TEMP.	-10 ~ +60°C			
WORKING HUMIDITY	20 ~ 90% RH non-condensing			

STORAGE TEMP., HUMIDITY	-20 ~ +85°C , 10 ~ 95% RH
TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)
VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes
SAFETY STANDARDS	Design refer to UL508,TUV EN60950-1
WITHSTAND VOLTAGE	I/P-O/P:3KVAC I/P-FG:1.5KVAC O/P-FG:0.5KVAC
ISOLATION RESISTANCE	I/P-O/P, I/P-FG, O/P-FG:100M Ohms/500VDC
EMI CONDUCTION & RADIATION	Compliance to EN55022 (CISPR22) Class B
HARMONIC CURRENT	Compliance to EN61000-3-2,-3
EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5; ENV50204, EN55024, Light industry level, criteria
MTBF	364.6K hrs min. MIL-HDBK-217F (25°C)
DIMENSION	93*78*67mm (L*W*H)
PACKING	0.31Kg; 48pcs/16.1Kg/1.3CUFT



1	AC/N	5,6	-V
2	AC/L	7	LED
3,4	+V	8	+VADJ.