

Features :

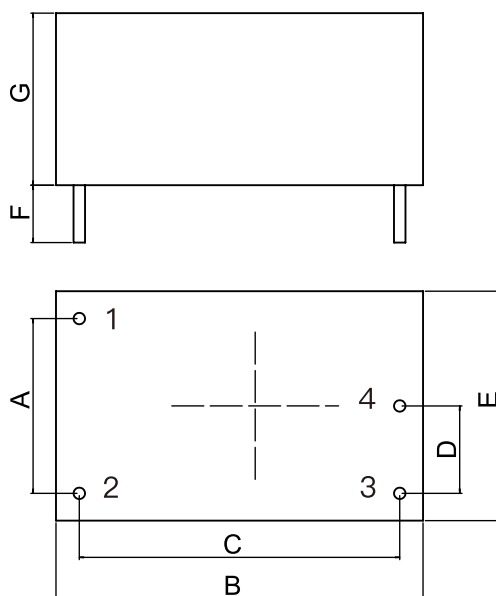
- Input voltage up to(85~500Vac, 100~700Vdc)
- 32x20x15mm miniature size
- Low Ripple and noise
- Protections: Short circuit / Overload
- Industrial grade product design
- Low power consumption, green environmental protection
- No load power consumption<0.5W
- 100% full load burn-in test
- 3 years warranty

Specification

MODEL		CRMH-06-5	CRMH-06-9	CRMH-06-12	CRMH-06-15	CRMH-06-24	
INPUT	VOLTAGE RANGE	85~ 500VAC 100 ~ 700VDC					
	FREQUENCY	47 ~ 440Hz					
	EFFICIENCY(Typ.)	76%	80%	81%	82%	83%	
	AC CURRENT(Typ.)	23m A / 230VAC (refer to ‘Typical application’)					
	INRUSH CURRENT(Typ.)	Limited to less than 30A by circuit (NTC)					
	LEAKAGE CURRENT	<0.1mA at 265VAC/50Hz					
OUTPUT	DC VOLTAGE	5.0V	9V	12V	15V	24V	
	RATED CURRENT	1.2A	0.66A	0.5A	0.4A	0.25A	
	CURRENT RANGE	0~1.2A	0~0.66A	0~0.5A	0~0.4A	0~0.25A	
	RATED POWER	6W	6W	6W	6W	6W	
	RIPPLE&NOISE(max.)	100mVp-p	100mVp-p	100mVp-p	100mVp-p	100mVp-p	
	VOLTAGE TOLERANCE	±2.0%					
	LINE REGULATION	±1.0%					
	LOAD REGULATION	±1.0%					
	SETUP, RISE TIME	100ms/230VAC	200ms/115VAC at full load				
	HOLD UP TIME(Typ.)	40ms/230VAC	15ms/115VAC at full load				
PROTECTION	Protection type: Over voltage、Short circuit 、 Over load , recovers automatically after fault condition is removed						
ENVIRONMENT	WORKING TEMP	-40 ~ +85 ℃ (Refer to “ Derating curve”)					
	WORKING HUMIDITY	85% .RH max					
	STORAGE TEMP.,HUMIDITY	-40 ~ +85, 10 ~ 95% RH					
	TEMP. COEFFICIENT	0.03%/ (0~ 50℃)					
	VIBRATION	10~500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes					
Safety and electromagnetic compatibility	Safety standards	EN62368,IEC62368,UL62368					
	Withstand voltage	I/P-O/P:3000VAC					
	Isolation resistance	I/P-O/P: >100M Ohms/500VDC 25℃ 70% RH					
	Electromagnetic compatibility emission	Parameter	Standard			Test Level / Note	
		Conducted emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1EAC TP TC 020,MSIP KN32			Class B	
		Radiated emission	BS EN/EN55032(CISPR32),FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B),CNS13438,GB17625.1EAC TP TC 020,MSIP KN32			Class B	
		Harmonic current	BS EN/EN61000-3-2,GB9254			Class A	
		Voltage flicker	BS EN/EN61000-3-3			----	

Safety and electromagnetic compatibility	Electromagnetic compatibility immunity	BS EN/EN55035		
		Parameter	Standard	Test Level /Note
		ESD	BS EN/EN61000-4-2	Level 4, 8KV /15KV
		RF field susceptibility	BS EN/EN61000-4-3	Level 4
		EFT bursts	BS EN/EN61000-4-4	Level 3, 2KV
		Surge susceptibility	BS EN/EN61000-4-5	Level 3, 1KV
		Conducted susceptibility	BS EN/EN61000-4-6	Level 4
		Magnetic field immunity	BS EN/EN61000-4-8	Level 4
		Voltage dips , interruption	BS EN/EN61000-4-11	
OTHERS	MTBF	200K hrs min. MIL-HDBK-217F(25)		
	DIMENSION	32*20*15mm (L*W*H)		
NOTE	1.The above data are measured when TA = 25 ° C, Humidity & Lt. 75% , input nominal voltage 230VAC and output rated load except for special instructions; 2.Ripple and noise is according to this manual application circuit connection, the use of 300mm twisted-pair, bandwidth of 20MHZ measured. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4.The power supply is considered as a component in the system, which needs to be verified with the terminal equipment.			

Mechanical specification



Note

Unit: mm;

Terminal length:≥4.0mm ;

Size of terminal section: 1.0mm ;

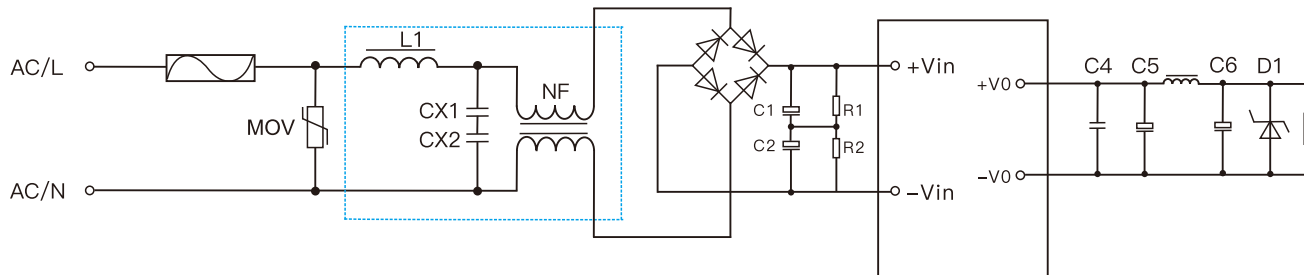
Terminal tolerance:±0.1mm ;

undeclared tolerance: ±0.5mm ;

PIN NO.	Assignment
1	-Vin
2	+Vin
3	+VO
4	-VO

DIM	A	B	C	D	E	F	G
尺寸	15.24	32	27.94	7.62	20	≥4	15

Typical application



Note: R 1, R 2 in the figure is the effect of balanced C1, C2 voltages with resistance values of 750K Ω /0.25 W.

Typical values for external circuit components

COM MODEL	FUSE (must)	L1	CX1,2 (must)	NF	MOV (must)	Db (must)	C1, 2 (must)	Cy (must)	C4	C5
CRMH-06-05	Safety resistor: 15 Ω /2W	1.0mH, 0.2A-0.5A	Safety capacitance: 104K/310VAC	NF is a common- mode inductor with inductance of 30mH and current of 0.2A-0.5A.	MOV is piezoresistive and the recommended value is 14D821K	1A/1000Vbrid ge stack	10uF/400V	Safety Y capacitor 222K/400V	1000uF/16V	104K/50V (Ceramic chip capacitor)
CRMH-06-09									560uF/16V	
CRMH-06-12									470uF/16V	
CRMH-06-15									470uF/25V	
CRMH-06-24									220uF/35V	