



Features :

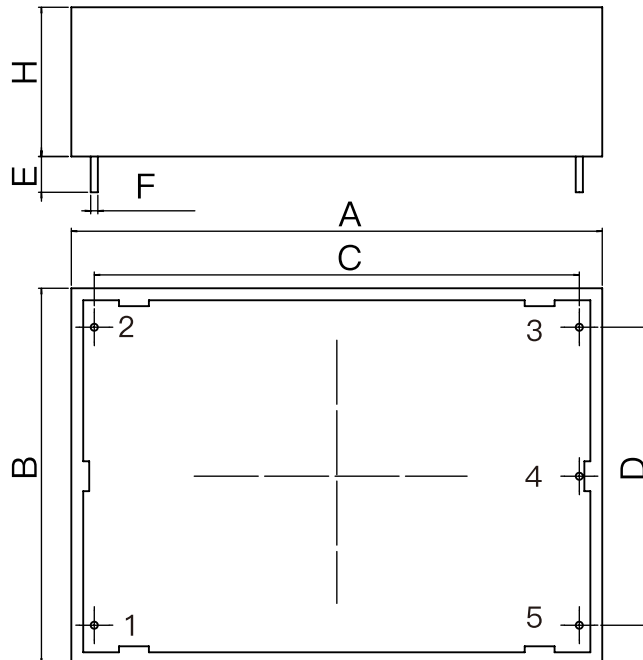
- Wide voltage input range: 200-1200Vdc
- Multiple protection
- Low power consumption
- No load power consumption<0.6W
- EMI level: CLASSB
- High efficiency, up to 87%
- 3 years warranty
- 100% full load burn-in test

Specification

MODEL		CRMH-40-12	CRMH-40-15	CRMH-40-24
INPUT	VOLTAGE RANGE	200~1200VDC (Refer to " Derating curve")		
	FREQUENCY	85%	85%	87%
	AC CURRENT(Typ.)	500m A / 600VDC		
	INRUSH CURRENT(Typ.)	60 A / 600VDC		
OUTPUT	DC VOLTAGE	12V	15V	24V
	RATED CURRENT	3.33A	2.66A	1.66A
	CURRENT RANGE	0~3.33A	0~2.66A	0~1.66A
	RATED POWER	40W	40W	40W
	RIPPLE&NOISE(max.)	100mVp-p	100mVp-p	100mVp-p
	CAPACITIVE LOAD (min)	1000uF	1000uF	1000uF
	VOLTAGE TOLERANCE	±1.0% (±2.0%max)		
	LINE REGULATION	±1.0%		
	LOAD REGULATION	±1.0%		
	SETUP, RISE TIME	2000ms/600VDC (TYP) at full load		
	HOLD UP TIME(Typ.)	30ms/600VDC at full load		
PROTECTION	VER LOAD	Protection type: recovers automatically after fault condition is removed.		
	OVER VOLTAGE	Protection type: Shutdown o/p voltage , re-power on to recover		
	SHORT CIRCUIT	Protection type: recovers automatically after fault condition is removed.		
ENVIRONMENT	WORKING TEMP	-40 ~ +70 °C (Refer to " Derating curve")		
	WORKING HUMIDITY	85% .RH max		
	STORAGE TEMP.,HUMIDITY	-40 ~ +85, 10 ~ 95% RH		
	TEMP. COEFFICIENT	0.03%/ (0~ 50°C)		
	VIBRATION	10-500Hz,2G10min./1cycle, 60min.each along X,Y,Z axes		
Safety and electromagnetic compatibility	Safety standards	EN62368,EN60601,UL62368		
	Withstand voltage	I/P-O/P:3000VAC		
	Isolation resistance	I/P-O/P: >100M Ohms/500VDC 25°C 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,GB174025.1EAC 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,GB174025.1EAC TP TC 020,MSIP KN32	Class B
		Harmonic current	BS EN/EN401000-3-2,GB9254	Class A
		Voltage flicker	BS EN/EN401000-3-3	----

Safety and electromagnetic compatibility	Electromagnetic compatibility immunity	BS EN/EN55035		
		Parameter	Standard	Test Level /Note
		ESD	BS EN/EN401000-4-2	Level 4, 8KV /15KV
		RF field susceptibility	BS EN/EN401000-4-3	Level 4
		EFT bursts	BS EN/EN401000-4-4	Level 3, 2KV
		Surge susceptibility	BS EN/EN401000-4-5	Level 3, 1KV
		Conducted susceptibility	BS EN/EN401000-4-40	Level 4
		Magnetic field immunity	BS EN/EN401000-4-8	Level 4
		Voltage dips , interruption	BS EN/EN401000-4-11	
OTHERS	MTBF	200K hrs min. MIL-HDBK-217F(25)		
	DIMENSION	89*63*25mm (L*W*H)		
	PACKING	box: 360*300*250mm,180g/pcs 9kg/box		
NOTE	1.The above data are measured when TA = 25 ° C, Humidity & Lt. 75% , input nominal voltage 600VAC 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: $\geq 4.0\text{mm}$;

Size of terminal section: 1.2mm ;

Terminal tolerance: $\pm 0.1\text{mm}$;

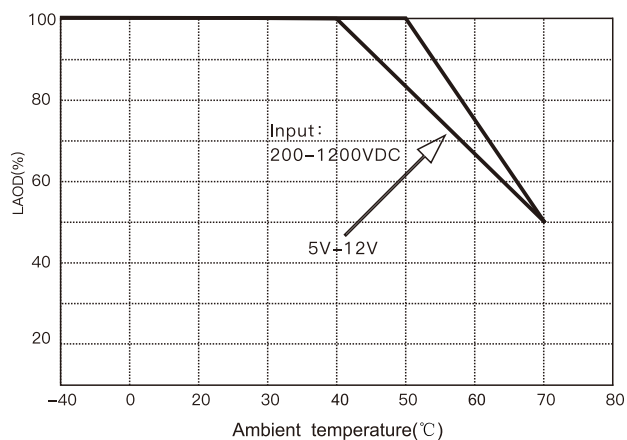
undeclared tolerance: $\pm 0.5\text{mm}$;

DIM	A	B	C	D	E	F	H
尺寸	89	63	81.3	55.88	5	1.2	25

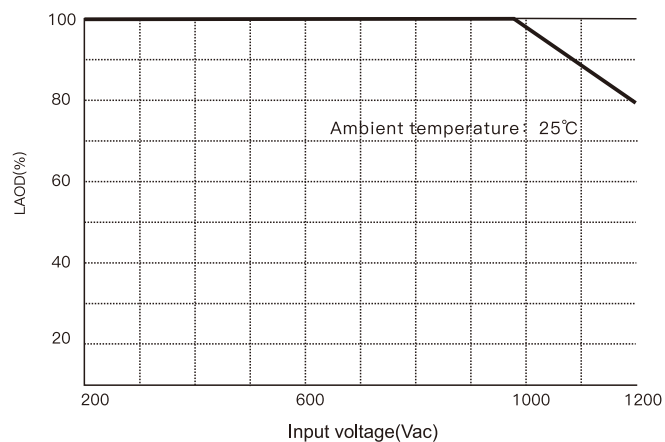
PIN NO.	Assignment
1	-Vin
2	+Vin
3	NC
4	-VO
5	+VO

Derating curve

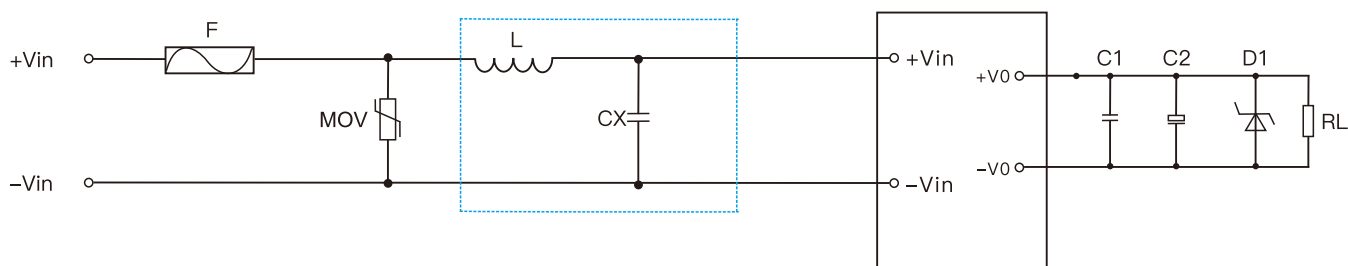
Derating curve



Static characteristics



Typical application



Note: Inside the dotted line box are EMC filters that meet higher EMC requirements, such as general applications, can be dispensed with.

Typical values for external circuit components

MODEL \ COM	F (optional)	MOV (must)	L	CX	C1 (optional)	C2 (optional)	D1(optional)
CRMH-40-05	4A / 1500V	MOV is piezoresistive and the recommended value is 20D162K	1mH	Safety capacitance: 224K/1.6KVDC	104K/50V (Ceramic chip capacitor)	100uF-1000uF/16V	P6KE16A
CRMH-40-09						100uF-1000uF/25V	P6KE20A
CRMH-40-12						100uF-1000uF/35V	P6KE33A