

<b>NDDY</b>	<b>RB_MH-75W</b>	<b>60-75W, WIDE INPUT, ISOLATED &amp; REGULATED SINGLE OUTPUT DC/DC CONVERTER</b>
	<b>PRODUCT SPECIFICATION</b>	

● **FEATURES**

- Size: 81.5mm\*55.5mm\*30.0mm
- International standard pin-out
- Wide input voltage range(2:1)
- Low ripple & noise
- Short circuit protection
- ROHS compliant
- Isolation voltage: 1500VDC
- Operating temperature range:-40℃~+85℃
- 3 years warranty

● **DESCRIPTION**

This is a 75W DC/DC converter specifically designed for applications where input voltage range is large and the space is limited. It is widely used in communications equipment, power system, instrumentation, industrial control, intelligent equipment, and etc.

● **PRODUCT LIST**

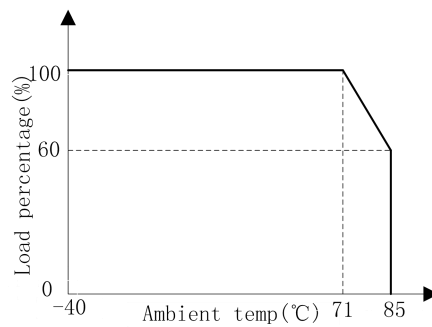
Product Name	Input Voltage / VDC		Output		EFF/% (TYP.)	Maximum CAP Load/uF
	Normina 1	Range	Voltage /VDC	Current/mA Max./Min.		
RB1205MH-60W	12	9~18	5	12.0	79	10000
RB1212MH-75W			12	6.3	81	3000
RB1215MH-75W			15	5.0	82	3000
RB1224MH-75W			24	3.2	84	1500
RB2405MH-60W	24	18~36	5	12.0	80	10000
RB2412MH-75W			12	6.3	82	3000
RB2415MH-75W			15	5.0	83	3000
RB2424MH-75W			24	3.2	85	1500
RB4805MH-60W	48	36~72	5	12.0	81	10000
RB4812MH-75W			12	6.3	83	3000
RB4815MH-75W			15	5.0	84	3000
RB4824MH-75W			24	3.2	86	1500
RB11005MH-60W	110	72~144	5	12.0	81	10000
RB11012MH-75W			12	6.3	83	3000
RB11015MH-75W			15	5.0	84	3000
RB11024MH-75W			24	3.2	86	1500

● **PRODUCT PARAMETERS**

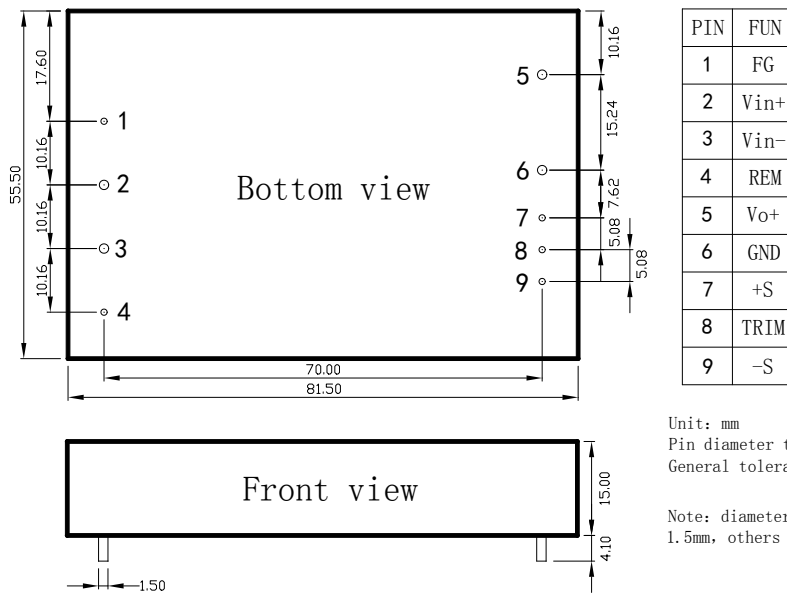
Parameter	Conditions / Description	Min	Nom	Max	Unit
Voltage accuracy	10%-100%Io	-	±1	±3	%
Load regulation	10%-100%Io	-	±0.5	±1	%
Line regulation	100%Io, input votagel range	-	±0.2	±0.5	%

Ripple & Noise	20MHz BW	5Vo	-	50	-	mVp-p
		Other output	-	100	-	
Switching frequency	Nominal input voltage, 100%Io		-	300	-	kHz
SCP	Short circuit protection		Continuous, self-recovery			
Temperature coefficient	Nominal input voltage, 100%Io		-	0.02	-	%/°C
Operating temperature			-40	-	+85	°C
Storage temperature			-40	-	+125	°C
Storage humidity	No condensing		-	-	95	%RH
Cooling method			Natural air cooling			
Insulation voltage			1500	-	-	VDC
Insulation resistance	Input-output, 500VDC, 25°C, 70%RH		1000	-	-	Mohms
MTBF	MIL-HDBK-217F@25°C		100	-	-	KHours
Case material			aluminum			
Weight			-	150	-	g

● DERATING CURVE



● DIMENSIONS AND PIN ASSIGNMENT



● NOTES

1. Unless otherwise specified, data in this specification is tested with nominal input voltage, rated output load, and  $T_a=25^\circ\text{C}$ , humidity < 75%RH.
2. All data testing methods are based on Guangzhou NengDa company standards.
3. Specification of the product may be subject to change without prior notice.
4. All right reserved by Guangzhou NengDa Power Supply Technology Co., Ltd.