

<b>NDDY</b>	<b>RB_MH-40W</b>	<b>35-40W, WIDE INPUT, ISOLATED &amp; REGULATED SINGLE OUTPUT DC/DC CONVERTER</b>
	<b>PRODUCT SPECIFICATION</b>	

● **FEATURES**

- Size: 76.2mm\*61.0mm\*14.0mm
- 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 40W 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**

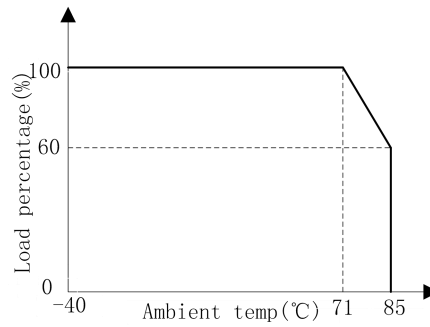
Product Name	Input Voltage / VDC		Output		EFF/% (TYP.)	Maximum CAP Load/uF
	Normina 1	Range	Voltage /VDC	Current/mA Max./Min.		
RB1205MH-35W	12	9~18	5	7.0	79	10000
RB1212MH-40W			12	3.3	81	3000
RB1215MH-40W			15	2.7	82	3000
RB1224MH-40W			24	1.7	84	1500
RB2405MH-35W	24	18~36	5	7.0	80	10000
RB2412MH-40W			12	3.3	82	3000
RB2415MH-40W			15	2.7	83	3000
RB2424MH-40W			24	1.7	85	1500
RB2405MH-35W	48	36~72	5	7.0	81	10000
RB2412MH-40W			12	3.3	83	3000
RB2415MH-40W			15	2.7	84	3000
RB2424MH-40W			24	1.7	86	1500
RB11012MH-40W	110	72~144	12	3.3	83	3000
RB11024MH-40W			24	1.7	86	1500

● **PRODUCT PARAMETERS**

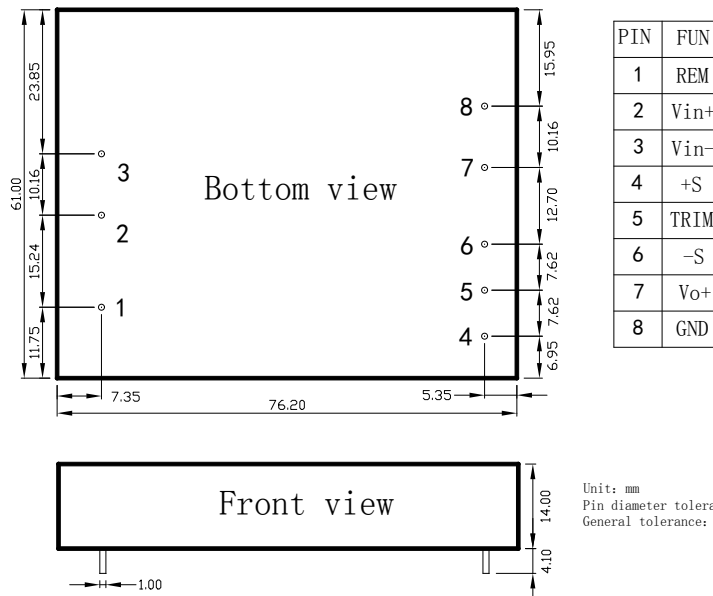
Parameter	Conditions / Description	Min	Nom	Max	Unit	
Voltage accuracy	10%-100%Io	-	±1	±3	%	
Load regulation	10%-100%Io	-	±0.5	±1	%	
Line regulation	100%Io, input votagel range	-	±0.2	±0.5	%	
Ripple & Noise	20MHz BW	5Vo	-	50	-	mVp-p
		Other output	-	100	-	

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		-	70	-	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.