

20W DC/DC Series



- High reliability
- Built-in EMI filter
- 100% full load burn-in test
- Protections: overload/ short circuit
- 1 year warranty
- F602 111 x 78 x 36(mm)

DC input voltage range 12(10~18)VDC, 24(18~36)VDC
 48(36~72)VDC, 110(72~144)VDC

Line regulation (full load) $\leq \pm 0.5\%$

Load regulation $V_1: \leq \pm 0.5\%$, $V_2, V_3: \leq \pm 1\%$ (with regulators);
 $\leq \pm 6\%$ (without)

Output voltage adjust range single output: $\pm 10\%$, multi-output: $V_1: \pm 5\%$

Output overload protection 110~150%

Withstand voltage I/P -O/P: 1.0KVDC/1min
 I/P -F/G: 1.0KVDC/1min
 O/P-F/G: 0.5KVDC/1min

Isolation resistance $> 100M\Omega @ 500VDC$

Operating temp. & humidity $-10^{\circ}C \sim +50^{\circ}C$, 20%~90%RH (non condensing)

Storage temp. & humidity $-20^{\circ}C \sim +85^{\circ}C$, 20%~95%RH (non condensing)

Safety standards design refer to LVD

EMC standards design refer to EN55022, EN61000-4

Cooling method convection

Model	DC Output		R&N	Efficiency
HF20W-SD**-5	5V	4.0A	100mV	70%
HF20W-SD**-12	12V	2.0A	120mV	72%
HF20W-SD**-24	24V	1.0A	150mV	74%
HF20W-DD**-A	5V	0.4~3.0A	100mV	71%
	12V	0.0~1.0A	120mV	
HF20W-DD**-B	12V	0.2~1.2A	120mV	72%
	12V	0.0~0.8A	120mV	
HF20W-TD**-A	5V	0.3~2.5A	100mV	69%
	12V	0.1~1.0A	120mV	
	-12V	0.1~0.8A	120mV	
HF20W-TD**-B	5V	0.3~2.5A	100mV	70%
	15V	0.1~0.8A	150mV	
	-15V	0.1~0.8A	150mV	

**means DC input voltage, such as 12, 24, 48, 110, etc.

Drawing

