



Features :

- 2:1 wide input range
- 1500VDC I/O isolation
- Built-in remote ON/OFF control
- Built-in EMI filter
- Protections: Short circuit / Overload
- · Cooling by free air convection
- Five-sided shield metal case
- 100% full load burn-in test
- · Low cost / High reliability
- 2 years warranty

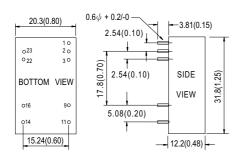
SPECIFICATION

FC CE

DC VOLTAGE	%			
OUTPUT RATED POWER RIPPLE & NOISE (max.) Note.2 50mVp-p 60mVp-p 60mVp-p LINE REGULATION Note.3 ±0.5% LOAD REGULATION Note.4 ±0.5% VOLTAGE ACCURACY ±2.0% SWITCHING FREQUENCY 400KHz min. VOLTAGE RANGE A: 9 ~ 18VDC B: 18 ~ 36VDC C: 36 ~ 72VDC EFFICIENCY (Typ.) 80% 80% 81% 84% 84% 84% 84% 83% 84% 83%	%			
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Full load A: 12/5mA R: 625mA C: 320mA	3%			
Full load A: 1245mA B: 625mA C: 320mA				
INPUT DC CURRENT				
No load A: 70mA B: 35mA C: 25mA	No load A: 70mA B: 35mA C: 25mA			
FILTER Pi network	Pi network			
PROTECTION Fuse recommended				
OVERLOAD	110 ~ 180% rated output load			
TROTEGRAM	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
SHORT CIRCUIT	All output equipped with over current protection			
	Protection type: Hiccup mode, recovers automatically after fault condition is removed			
WORKING TEMP25 ~ +71°C (refer to output load derating curve)				
WORKING HUMIDITY 20% ~ 90% RH non-condensing				
T STORAGE TEMP., HUMIDITY -25 ~ +105°C, 10 ~ 95% RH				
TEMP. COEFFICIENT $\pm 0.05\%$ / $^{\circ}$ C (0 ~ 50 $^{\circ}$ C)				
VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
WITHSTAND VOLTAGE I/P-O/P:1.5KVDC				
ISOLATION RESISTANCE				
EMI CONDUCTION & RADIATION Compliance to EN55022 Class A, FCC part 15 Class A				
EMS IMMUNITY Compliance to EN61000-4-2,3,4,5,6,8, light industry level, criteria A				
REMOTE CONTROL Power ON: R.C. ~ -Vin > 4VDC or open : Power OFF: R.C. ~ -Vin < 1VDC or short	1			
MTRF 600Kbrs min MII -HDRK-217F (25°C)				
OTHERS DIMENSION 31.8*20.3*12.2mm (L*W*H) or 1.25"*0.80"*0.48" inch (L*W*H)	(-/			
PACKING 18.5g				

■ Mechanical Specification

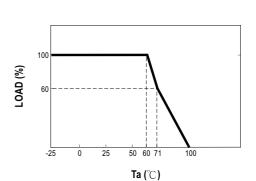
Unit:mm(inch)



■ Pin Configuration

Pin No.	Output
1	R.C.
2 & 3	-Vin
9	COM
11	-Vout
14	+Vout
16	COM
22 & 23	+ Vin

■ Derating Curve



NOTE

- 1.All parameters are specified at normal input, rated load, 25°C 70% RH ambient. 2.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 3.Line regulation is measured from low line to high line at rated load.
- 4.Load regulation is measured from 20% to 100% rated load.
- 5.Please prevent the converter from operating in overload or short circuit condition for more than 30 seconds.