



VTC150 350Watts ATX DC/DC Power Supply



Model:VTC150

DC-DC Power Supply >> 48VDC

36 VDC TO 72 VDC (± 48 VDC)

VTC150

Input

Normal	Min.	Max.	Input Amp
48 Vdc	36 Vdc	72 Vdc	13.5 A(max.)

DC output Characteristics

Output Voltage	V1 +5V	V2 +3.3V	V3 +12V	V4 -5V	V5 -12V	V6 +5V SB
Max. Load	40A	21A	15A	1A	2A	2A
min. Load	3A	0A	1A	0A	0A	0A
Peak	44A	23A	15A		3A	2A
	Total combined output of +3.3V and +5V shall not exceed 200W					
Cross reg.%	±5%	±5%	±5%	±2%	±10%	±5%
Cross reg.%	±5%	±5%	±5%	±2%	±10%	±5%
Line Reg.%	±1%	±1%	±1%	±1%	±1%	±1%
Ripple & Noise	50mVp-p	33mVp-p	100mVp-p	50mVp-p	100mVp-p	50mVp-p

Efficiency:	65% at typical load
Hold up time:	16ms at full load
Power good signal:	100~500ms
Shout Circuit Protection:	A short circuit on any DC output will cause the power to latch.
Over power protection:	Peak power protected to between 110% to 125% of continuous rated power.
Over voltage protection:	+5V:5.5-6.5V

Teamperture range: 32°F ~122 °F (0~ 50°C)

Relative Humidity: Operating: 10~90% rh

Safety Standards: Meets UL 1950, CSA 22.2 No.234, TUV IEC 950, FCC Class B, VDE Class B

M.T.B.F.: 100k hours at 25°C

Dimension: (W x H x D)
150 x 86 x 142 mm/ 5 7/8"x3 3/8"x5 1/2"

Weight 4 lbs (1.8 kg)

OVERALL PERFORMANCE

Total output power : 350W continuous output

Efficiency : 70% typical at full load
Hold up time : 16ms at maximum load and normal input voltage(48 VDC)
Power good : TTL compatible signal out with 100ms to 500ms

FEATURE

Short circuit protection (SCP): All output equipped with short circuit protection
Over Power protection : Peak power protected to between 110% to 125% of continuous rated power

ENVIRONMENTAL CONDITIONS

Operating temperature : 0 to 50 degree celsius ambient
Cooling : By forced air
Storage temperature : -20 to + 85 degree celsius ambient
Storage humidity : 10~90%

RELIABILITY

Mean time between failure : 100K hours at 25 degree celsius ambient

DIMENSIONS

PS/2 Type Dimension : 150(L) x 150(W) x 86(H) /mm

MAIN COMPONENTS

MOSFET IRFP260 X2
SCHOTTKY DIODE ESAD83-004 X2 (60A 40V)
FAST DIODE C16P20F (16A 200V) FOR +12V OUTPUT
7905 FOR -5V @ 1A

VoxTechnologies Corp. - Industrial Computer Leader
Tel: 1-972-234-4343 Fax: 1-972-234-4295 Toll-Free: 1-888-568-6224