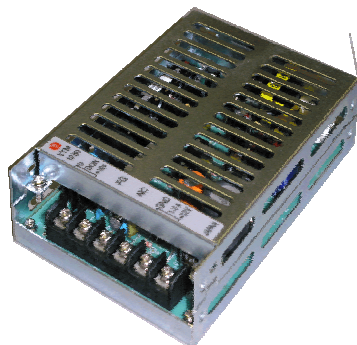




VTB-C-D

45W

Triple output DC/DC



FEATURES

- Variety of Models
- Chassis mount type
- Compact and High Efficiency
- Triple output
- DC/DC
- **Isolated Power Supply**

MODEL/CHANNEL		Unit	VTB01			VTB01B			VTB03			VTB04			
OUTPUT (Single)	Output Voltage	Vdc	+5	+12	-12	+12	+5	-12	+5	+12	-5	+5	+15	-15	
	Output Current 25W 12V	A	5	0.73	0.73	2.7	1	0.3	5	0.73	0.73	5	0.6	0.6	
	Output Current 25W 24V 48V 110V	A	0.83	0.83	3	1	0.4		0.83	0.83		5	0.63	0.63	
	Output Current 30W 24V 48V	A		1	0.5					1					
	Output Current 50W 110V	A		1	0.5	P4				1					
	Line Regulation 12V 110V	mV	35	96	96	96	40	96	40	96	40	40	120	120	
	Line Regulation 24V 48V	mV	35	84	84	84	35	84	35	84	35	35	105	105	
	Load Regulation	mVp	50	120	120	120	50	120	50	120	50	50	150	150	
	Ripple and Noise	mVp	100	170	170	170	100	170	100	170	100	100	200	200	
	Drift	mV	40	75	75	75	40	75	40	75	40	40	90	90	
	Dynamic Load Regulation	mV	150	360	360	360	150	360	150	360	150	150	450	450	
	Voltage Adjustment Range	-	V1: +/-5%(maximum) of Rated Output Voltage at 25°C, rated input and no load V2,V3: fixed with tolerance +/-3.5% of Rated Output Voltage at 25°C, rated input and no load												
	Rise Time	-	200mS(maximum) at 25°C and rated input/output												
	Hold Up Time	-	Not specified (Vin=110 8mS(minimum) at 25°C and rated input/output)												
Temperature Coefficient	°C	0.03%/°C													





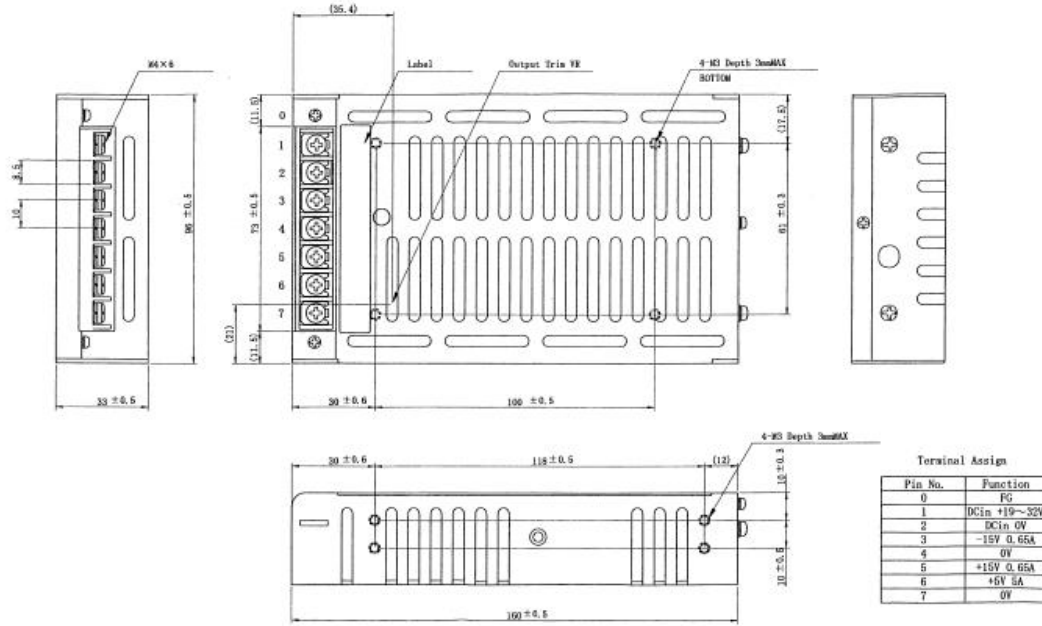
MODEL/CHANNEL		Unit	VTB01-C12	VTB01-C12B	VTB03-C12	VTB04-C12
INPUT	Efficiency	%	76	80	76	76
	Input Voltage 12V	Vdc	DC 12V			
	Input Voltage Range	Vdc	DC 9.2V-16V			
	MTBF	H	450,000			
MODEL/CHANNEL		Unit	VTB01-C24	VTB01-C24B	VTB03-C24	VTB04-C24
	Efficiency	%	76	81	76	78
	Input Voltage 24V	Vdc	DC 24V			
	Input Voltage Range	Vdc	DC 19-32V			
	MTBF	H	440,000			
MODEL/CHANNEL		Unit	VTB01-C48	VTB01-C48B	VTB03-SC48	VTB04-C48
	Efficiency	%	79	82	78	78
	Input Voltage 48V	Vdc	DC 48V			
	Input Voltage Range	Vdc	DC 38-63V			
	MTBF	H	450,000			
MODEL/CHANNEL		Unit	VTB01-D	VTB01-DB	VTB03-D	VTB04-D
	Efficiency	%	79	80	75	76
	Input Voltage 110V	Vdc	DC 110V			
	Input Voltage Range	Vdc	DC 85-140V			
	MTBF	H	420,000			
	Input Current	Vdc	20A(maximum)			
MODEL/CHANNEL		Unit				
Environment	Operating Temperature	°C	0 to +50°C			
	Operating Humidity	%	85%RH(non-condensing)			
	Storage Temperature	°C	-20 to +85°C			
	Withstand Voltage Primary-Secondary	%	Primary-Secondary AC1,500V for 1 minute (Vin=110 2000) Primary-Frame Ground AC1,500V for 1 minute (Vin=110 2000) Secondary-Frame Ground AC500V for 1 minute			
	Isolation Resistance	-	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester			
	Vibration	-	5-10Hz:10mm double amplitude,10-55Hz:19.6m/s ² , 20 minutes period for 60minutes each along X,Y,Z axes(non-operating)			
	Shock	-	294m/s ²			
	Cooling	-	Convection			
Dimension	Size(WxHxD) / Weight	mm/g	96Wx160Lx25H/470g			



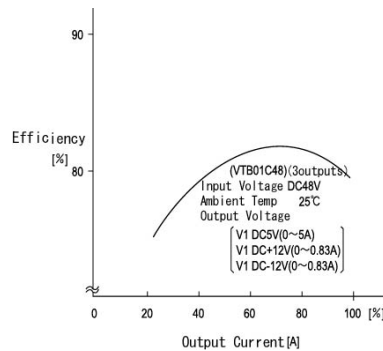


Dimension Diagram (mm)

45W



Block Diagram



OCP Curve

