VTE-SC/VTE-SD 150W



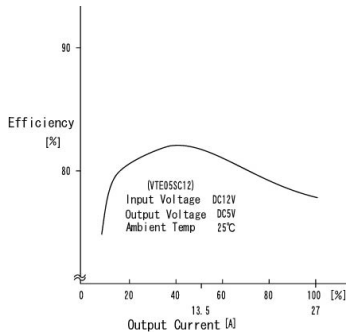
FEATURES

- Compact Size, High Efficiency
- High Reliability Design, High Temperature
- De-rating Performance 50°C/100% Load
- **Isolated Power Supply**

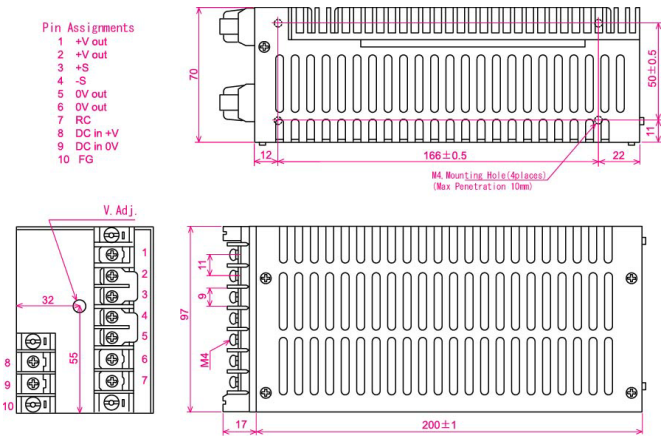
	MODEL/CHANNEL	Unit	VTE05-SCx/SD	VTE12-SCx/SD	VTE15-SCx/SD	VTE24-SCx/SD	VTE48-SCx/SD
OUTPUT (Single)	Output Voltage	Vdc	5	12	15	24	48
	Output Current 12VDC	A	27	13	10	6.5	3.3
	24VDC, 48VDC	Vdc	30	14	11	7	3.5
	110VDC	Vdc	30	14	11	7	4.2
	Line Regulation	mV	25 (Vin=110 40)	60 (Vin=110 96)	75 (Vin=110 120)	120 (Vin=110 192)	240 (Vin=110 384)
	Load Regulation	mVp	30 (Vin=110 45)	72 (Vin=110 108)	90 (Vin=110 135)	144 (Vin=110 216)	288 (Vin=110 432)
	Ripple and Noise	mVp	100	170	200	290	530
	Voltage Adjustment Range	-	+/-10% of Rated Output Voltage(at no load within input range)				
	Rise Time	-	200mS(maximum) at 25°C and rated input/output (Vin: 110 500mS)				
	Temp. Coefficient	mV	0.01%/°C (Vin=110 0.03%/°C)				
	Drift	mV	40	75	90	135	255
	Dynamic Load Regulation	%	150 (Vin=24, 48 100)	360 (Vin=24, 48 120)	450 (Vin=24, 48 300)	720 (Vin=24, 48 480)	1440 (Vin=24, 48 960)
	Hold Up Time	%	Not specified (Vin: 110 10mS(typical) at 25°C and rated input/output)				
INPUT	Input Voltage 12V	Vdc	DC 12V				
	Input Voltage Range	Vdc	DC 9.2-16V				
	Input Current	A	14.42	16.05	14.88	15.66	16.05
	Efficiency	%	78	81	82	84	83
	Ref. MTBF	H	420,000				
	Switching Frequency	kHz	67				
	Input Voltage **24V**	Vdc	DC 24V				
	Input Voltage Range	Vdc	DC 19-32V				
	Input Current	A	7.94	8.75	8.38	8.64	8.86
	Efficiency	%	81	87	87	89	89
	Ref. MTBF	H	420,000				
	Switching Frequency	kHz	67				

	MODEL/CHANNEL	Unit	VTE05-SCx/SD	VTE12-SCx/SD	VTE15-SCx/SD	VTE24-SCx/SD	VTE48-SCx/SD
	Input Voltage **48V**	Vdc	DC 48V				
	Input Voltage Range	Vdc	DC 38-63V				
	Input Current	A	4.01	4.27	4.14	4.17	4.07
	Efficiency	%	81	87	87	89	91
	Ref. MTBF	H	430,000				
	Switching Frequency	kHz	70				
	Input Voltage **110V**	Vdc	DC 110V				
	Input Voltage Range	Vdc	DC 85-140V				
	Input Current	A	1.68	1.82	1.74	1.76	2.08
	Efficiency	%	81	84	86	87	88
	Ref. MTBF	H	400,000				
	Switching Frequency	kHz	120				
	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	%	AC1,500V for 1minute (Vin=110 2000)				
	Primary-Frame Ground	%	AC1,500V for 1minute (Vin=110 2000)				
	Secondary-Frame Ground	-	AC500V for 1minute				
	Isolation Resistance Primary-Secondary-Case	-	50ΩM (minimum) by DC500V insulation tester				
	Shock	-	294m/s^2				
	Cooling	-	Convection				
	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)				
Protection	Over Current Protection	A	Current Limiting with automatic recovery				
	Over Voltage Protection	-	Output shutdown				
Dimension	Size(WxLxH) / Weight	mm/g	70Wx200Lx97H/1400g				

Temperature Derating Curve 150W



Dimension Diagram (mm) 150W



Block Diagram 150W

