



## VTA-FWC/D

## 25W



### FEATURES

- Variety of Models
- Chassis mount type
- Compact and High Efficiency
- Double Output
- **Isolated Power Supply**

MODEL/CHANNEL		Unit	VTA21-FW-C/D		VTA21B-FW-C/D		VTA22-FW-C/D		VTA22B-FW-C/D		VTA23-FW-C/D		VTA24-FW-C/D	
<b>OUTPUT (Double)</b>	Output Voltage	Vdc	5	24	24	5	12	12	15	15	5	12	12	5
	Output Current 25W	A	2.8	0.45	0.83	1	1.2	0.9	1	0.7	3	0.9	1.6	1.2
	Output Current 30W	A	3	0.6	1	1.2	1.5	1	1	1	3	1.2	2	1.5
	Line Regulation	mV	40	192	192	40	96	96	120	120	40	96	96	40
	Load Regulation	mVp	50	240	240	50	120	120	150	150	50	120	120	50
	Ripple and Noise	mVp	100	290	290	100	170	170	200	200	100	170	170	100
	Drift	mV	40	135	135	40	75	75	90	90	40	75	75	40
	Dynamic Load Regulation	mV	150	720	720	50	360	360	450	450	150	360	360	150
	Voltage Adjustment Range	-	+/-5% of Rated Output Voltage(at no load within input)											
	Rise Up Time	mS	200mS(maximum) at 25°C and rated input/output											
	Temp. Coefficient	°C	0.03%/°C											
	Recovery Time	mS	0.5mS(typical)											
Hold Up Time	mS	Not specified (Vin=110 10mS(maximum) at 25°C and rated input/output)												
MODEL/CHANNEL		Unit	VTA21-FWC12		VTA21B-FWC12		VTA22-FWC12		VTA22B-FWC12		VTA23-FWC12		VTA24-FWC12	
<b>INPUT</b>	Input Voltage 12V	Vdc	DC 12V											
	Input Voltage Range	Vdc	DC 9.2V-16V											
	Efficiency	%	77	80	79	81	76	77						
	MTBF	H	600,000											
	Switching Frequency	-	40 Fix											





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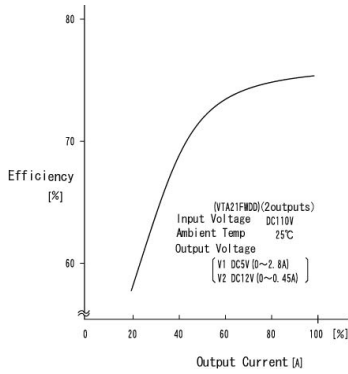
## 25W

MODEL/CHANNEL		Unit	VTA21-FWC24	VTA21B-FWC24	VTA22-FWC24	VTA22B-FWC24	VTA23-FWC24	VTA24-FWC24
	Input Voltage <b>24V</b>	Vdc	DC 24V					
	Input Voltage Range	Vdc	DC 19-32V					
	Efficiency	%	77	80	79	81	76	77
	MTBF	H	600,000					
	Switching Frequency	-	40 Fix					
MODEL/CHANNEL		Unit	VTA21-FWC48	VTA21B-FWC48	VTA22-FWC48	VTA22B-FWC48	VTA23-FWC48	VTA24-FWC48
	Input Voltage <b>48V</b>	Vdc	DC 48V					
	Input Voltage Range	Vdc	DC 38-63V					
	Efficiency	%	75	77	78	79	76	78
	MTBF	H	600,000					
	Switching Frequency	-	40 Fix					
MODEL/CHANNEL		Unit	VTA21-FWD	VTA21B-FWD	VTA22-FWD	VTA22B-FWD	VTA23-FWD	VTA24-FWD
	Input Voltage <b>110V</b>	Vdc	DC 110V					
	Input Voltage Range	Vdc	DC 85-140V					
	Input Current	A	20A(maximum)					
	Efficiency	%	76	77	79	82	76	78
	MTBF	H	550,000					
	Switching Frequency	-	40 Fix					
MODEL/CHANNEL		Unit						
<b>Environment</b>	Operating Temperature	°C	0 to +50°C					
	Operating Humidity	%	85%RH(non-condensing)					
	Storage Temperature	°C	-20 to +85°C					
	Withstand Voltage	%	Primary-Secondary AC1,500Vfor 1minute (Vin=110 2000) Primary-Frame Ground AC1,500V for 1minute (Vin=110 2000) Secondary-Frame Ground AC500V for 1minute					
	Isolation Resistance	-	Primary-Secondary-Frame Ground 50MΩ(minimum) by DC500V insulation tester					
	Shock	-	294m/s <sup>2</sup>					
	Cooling	-	Convection					
	Vibration	-	5-10Hz: 10mm double amplitude, 10-55Hz: 19.6m/s <sup>2</sup> . 20 minutes period for 60 minutes each along X,Y,Z axes(non-operating)					
<b>Protection</b>	Over Current Protection	A	Current Limiting with automatic recovery					
	Over Voltage Protection	-	zener diode clamping					
	Reverse Voltage Protection	-	by internal fuse (Vin=110 by internal bridge diode)					
<b>Dimension</b>	Size(WxHxD) / Weight	mm/g	85Wx135Lx31H /390g					





## Efficiency Curve



## OCP Curve

