

Selection Guide

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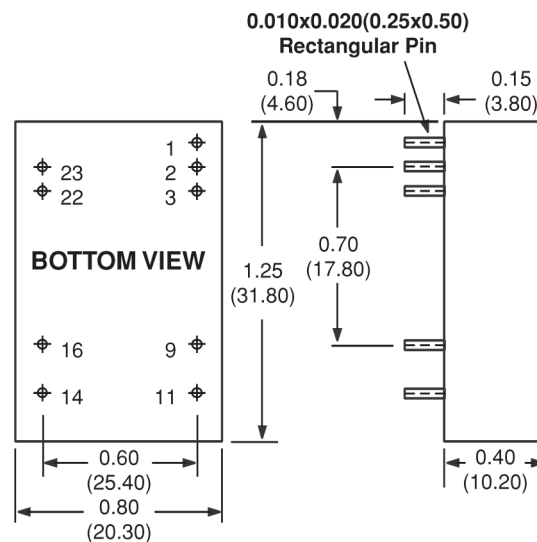
	Input Voltage Nominal (Range) (Vdc)	Output Voltage (Vdc)	Output Current (mA)	Input Current		Efficiency %	Model Number	Capacitor Load Max (µF)
				No load (mA)	Full load (mA)			
SINGLE OUTPUT VOLTAGE	24 (9-36)	3.3	3500	55	602	84	TWB12-24S3.3	2000
	24 (9-36)	5.1	2400	55	614	87	TWB12-24S5	2000
	24 (9-36)	12	1000	13	602	87	TWB12-24S12	430
	24 (9-36)	15	800	11	602	87	TWB12-24S15	300
	48 (20-72)	3.3	3500	15	625	84	TWB12-48S3.3	±1250
	48 (20-72)	5.1	2400	12	602	87	TWB12-48S5	±200
	48 (20-72)	12	1000	20	602	87	TWB12-48S12	±120
	48 (20-72)	15	800	17	301	84	TWB12-48S15	2000
DUAL OUTPUT VOLTAGE	24 (9-36)	±5	±1200	15	625	84	TWB12-24-5	±1250
	24 (9-36)	±12	±500	12	602	87	TWB12-24-12	±200
	24 (9-36)	±15	±400	20	602	88	TWB12-24-15	±120
	48 (20-72)	±5	±1200	7	309	85	TWB12-48-5	±1250
	48 (20-72)	±12	±500	7	301	87	TWB12-48-12	±200
	48 (20-72)	±15	±400	7	301	87	TWB12-48-15	±120

NOTES:

1. Bellcore TR-NWT-00032, Case: 1 : 50% Stress, Temperature at 40°C. MIL-STD-217F Notice 2 @ Ta = 25°C, Full load (Ground, Benign, controlled environment).
2. Maximum value at normal input voltage and full load.
3. Typical value at nominal input voltage and no load.
4. Typical value at nominal input voltage and full load.
5. Test by minimum Vin and constant resistive load.
6. The ON/OFF control pin voltage is referenced to-Vin.
7. The TWB12 series can meet EN55022 Class A with parallel an external capacitor to the input pins. Recommend: 24 Vin : C1=1µF/50V 1210 MLCC. 48 Vin : C1=0.47µF/100V 1812 MLCC.
8. An external input filter capacitor is required if the module has to meet EN61000-4-4, EN61000-4-5. The filter capacitor Polytron Devices suggest: Nippon chemi-con KY series, 220µ F/100V, ESRΩ

Mechanical Specifications

PIN CONNECTION		
PIN	SINGLE	DUAL
1	ON/OFF	ON/OFF
2	-Vin	-Vin
3	-Vin	-Vin
9	N/C	COMMON
11	N/C	-Vout
14	+Vout	+Vout
16	-Vout	COMMON
22	+Vin	+Vin
23	+Vin	+Vin



All Dimensions are in inches (mm)



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