

BW Series Wide Range Input Regulated Single/Dual Output 0.5W ~ 2.0W



- SIL 8pin Package 4.5~9.0V 9.0~18.0V or 18.0~24.0V Wide Range Input
- Output Power Rate From 1.0W To 2.0W Available
- No Heat Sink Required
- Internal SMD Construction
- No External Components Required
- Remote On/Off Control (Option)

Selection Guide

Input Voltage Vdc	Output Voltage Vdc	Output Current (mA)			Ripplr Noise mV	Series Number Selector Guide	Rremarks
		0.5W	1.0W	2.0W			
4.5~9.0V (5.0V)	3.30	151.50	303.30	500.00	80.00	BWD-25050-1.0L B : Case Type W : Wide Range Input D : Dual Output 24 : Input Voltage (18V~36V) 05 : Output Voltage 0 : Revision Code (0..9..A..Z) 1.0 : Output Power Rate L : Leadfree Process	Customer And Special Design On Request
	5.00	100.00	200.00	400.00	80.00		
	12.00	41.60	83.30	166.60	100.00		
9.0~18.0V (12.0V)	15.00	33.30	66.60	133.30	120.00		
	24.00	20.80	41.60	83.30	150.00		
18.0~36.0V (24.0V)	±5.00	±50.00	±100.00	±200.00	±80.00		
	±12.00	±20.80	±41.60	±83.30	±100.00		
	±15.00	±16.60	±33.30	±66.60	±150.00		

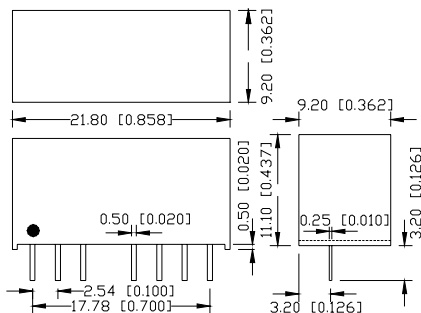
Specifications All Specification Are Typical Nominal Line, Full Load And 25°C Unless Otherwise Notes.

General Characteristics					
Parameter	Conditions	Min.	Typ.	Max.	Units
Isolation Voltage	60 Seconds	1000	-----	-----	VDC
Isolation Resistance	500VDC	1000	-----	-----	Mohm
Isolation Capacitance	100MHz,1V	-----	60	100	pF
Switching Frequency		80	150	250	KHz
MTBF MIL-HDBK-217F @25°C		0.8	-----	-----	MHrs
Absolute Maximum Ratings					
Parameter		Min.	Max.	Units	
Input Surge Voltage (1000ms)	5VDC Input Models	-0.7	16.0	VDC	
	12VDC Input Models	-0.7	25.0	VDC	
	24VDC Input Models	-0.7	40.0	VDC	
Wave Reflow Soldering Temperature		10 Sec. 265°C Max.			

Environmental Characteristics					
Parameter	Conditions	Min.	Max.	Units	
Operating Temperature	Ambient	-40	+71	°C	
Storage Temperature		-40	+125	°C	
Humidity		-----	95	%	
Cooling	Free-Air Convection				
Output Characteristics					
Parameter	Conditions	Min.	Typ.	Max.	Units
Line Regulation	For 1% Of Vin	-----	-----	±0.5	%
Load Regulation	20% To 100%	-----	-----	±0.5	%
Out put Volt Balance	Dual Out only	-----	±1.0	±1.2	%
Out put Volt Accuracy		-----	-----	±3.0	%
Short Circuit	Continuous Auto recovery				

Remote On/Off control (Option) : On/Under 0.6Vdc or Open Circuit / Off/Min. 2.7Vdc Max.15Vdc

Dimensions And Pinout (Unit : mm[inch]±/0.15mm)



Pin Connection		
Pin	Single Out	Dual Out
1	-Input Voltage	-Input Voltage
2	+Input Voltage	+Input Voltage
3	Remote On/Off	Remote On/Off
4	Omitted	Omitted
5	N/C	N/C
6	+Output Voltage	+Output Voltage
7	-Output Voltage	Common
8	Omitted	-Output Voltage

