BWB Series



- -Constant Current up to 100 amps $(0.5m\Omega)$
- -Four Terminal Configuration
- -Excellent Long Term Stability
- -Max. Solder Temperature up to 350°C / 30sec
- -RoHS and REACH Certified
- -AEC-Q200 Qualified
- -Applications : Current Sensing / Feedback, Automotive Applications **Power Modules, Frequency Converters**

■ GENERAL SPECIFICATION

Model	Rated Power [W]		Resistance	* +0.1	Material	T.C.R	Resistance
	*70°C	*100°C	[mΩ]	t±0.1	Material	[ppm/°C]	Tolerance
BWB05	12	5	0.2	1.40	Copper Manganese Alloy	Max. ±50	
	10	5	0.3	0.99			
	9	5	0.5	0.65			F [±1.0%]
	8	5	0.7	0.47			
	7	5	1.0	0.35			G [±2.0%]
	7	4	2.0	0.50	Aluchrom Alloy / NiCr Alloy		J [±5.0%]
	5	3	3.0	0.34			
	4	2	4.0	0.34			
	3	2	5.0	0.34			

^{*:}Terminal temperature

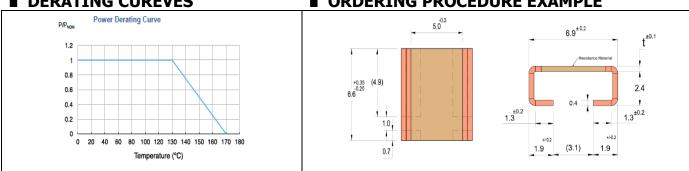
■ CHARACTERISTICS

Values in [] mean Change in Ω After Test

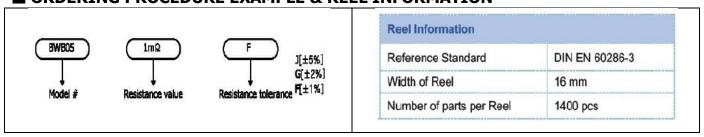
		values in [] mean enange in 127 item veet
Applicable Temperature range		-55°C ~ +170°C
High Temperature Exposure	±[1.0%]	1000 hrs. @ T=170 ℃. Unpowered
Temperature Cycling	±[0.5%]	-55 $^{\circ}$ to 150 $^{\circ}$, 1000 Cycles, 30minutes at each extreme
Biased Humidity	±[0.5%]	85° & 85% RH with 10% Operating power, 1000 hrs
Operational Life	±[1.0%]	125° C at rated power, 1000 hrs
Mechanical Shock	±[0.2%]	100g For 6ms, Half sine
Vibration	±[0.2%]	5g for 20 minutes, 12 cycles each of 3 orientations. 10-2000Hz
Resistance to Soldering Heat	±[0.5%]	Solder Temp. 260 ℃, Time 10 seconds
Short Time Over Load	±[1.0%]	5 x Rated Power for 5 Seconds
Low Temperature Storage	±[0.2%]	-65℃ for 24 hrs

DERATING CUREVES

ORDERING PROCEDURE EXAMPLE



■ ORDERING PROCEDURE EXAMPLE & REEL INFORMATION



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