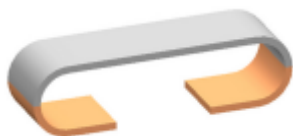


BWN Series



2 or 5 Watts

Tolerance $\pm 1\%$, $\pm 2\%$, $\pm 5\%$

Air Cooling, Strong stability of circuit

Application : Current Sensors for hybrid power sources, Frequency converters and high current automotive application

■ GENERAL SPECIFICATION

Model	Rated Power	Resistance [Ω]	T.C.R	Resistance Tolerance [%]
BWN02	2 W	0.003	Max ± 100 ppm	F [$\pm 1.0\%$] G [$\pm 2.0\%$] J [$\pm 5.0\%$]
		0.005		
		0.01		
BWN02		0.01		
		0.02		
		0.03		
BWN05	5 W	0.002		
		0.005		
		0.006		
BWN05		0.01		

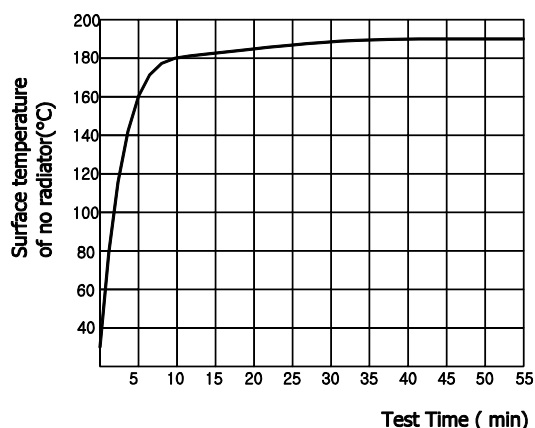
■ CHARACTERISTICS

Values in [] mean Change in Ω After Test

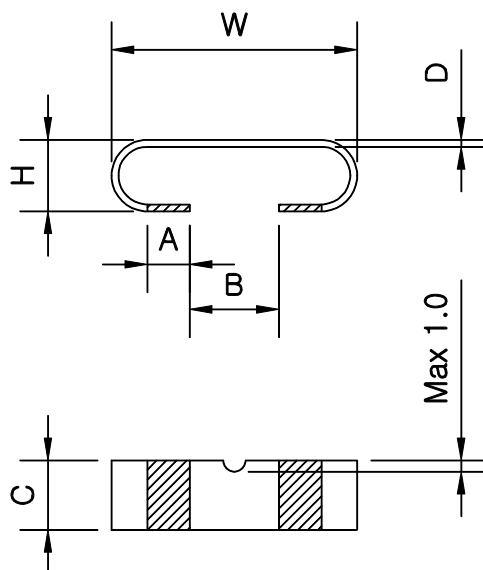
Thermal Shock	$\pm [1.0\% + 0.0005]$	-55 $^{\circ}\text{C}$ to +150 $^{\circ}\text{C}$, 1000cycles, 15min at each extreme
Short Time Overload	$\pm [0.5\% + 0.0005]$	5 X Power rating , 5 Seconds
Low Temp storage	$\pm [0.5\% + 0.0005]$	-65 $^{\circ}\text{C}$ For 45 min
High Temp expo-sure	$\pm [1.0\% + 0.0005]$	1000H, at +170 $^{\circ}\text{C}$
Bias humidity	$\pm [0.5\% + 0.0005]$	+85 $^{\circ}\text{C}$, 85%RH, 10% Bias, 1000H
Mechanical	$\pm [0.5\% + 0.0005]$	100g's For 6ms, 5pulses
Vibration	$\pm [0.5\% + 0.0005]$	Frequency Varied 10 Hz to 200Hz in 1min, 3 directions, 12H
Load Life	$\pm [1.0\% + 0.0005]$	1000H, At+70 $^{\circ}\text{C}$, 1.5H On, 0.5H Off
Resistance to solder heat	$\pm [0.5\% + 0.0005]$	+260 $^{\circ}\text{C}$, Solder, 10s to 12s dwell, 25mm/s emergence

■ SURFACE TEMPEPRATURE

Surface temperature of normal working

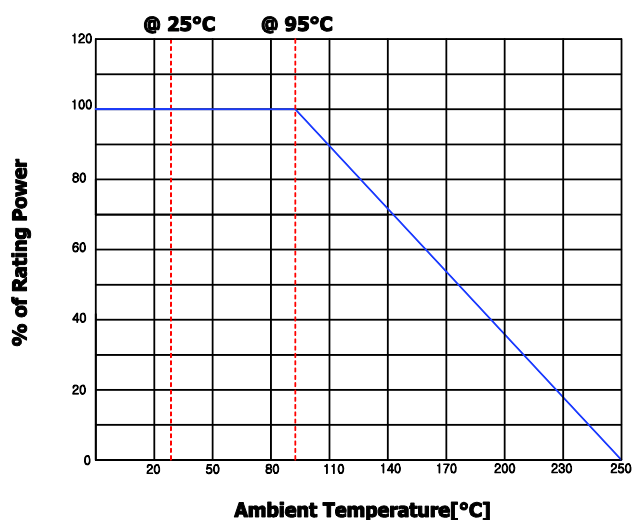


DIMENSIONS[mm]

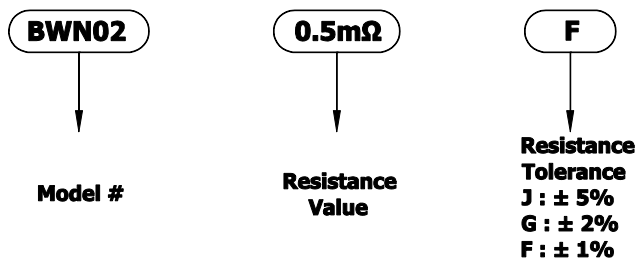


Model	Resistance[Ω]	Dimensions[mm]					
		A	B	C	D±0.15	W	H
BWN02	0.003	1.9±0.2	4.2±0.3	3.1±0.3	0.39	11±0.5	3.1±0.3
	0.005				0.35		
	0.01				0.20		
BWN02	0.01			3.1±0.3	0.62		
	0.02				0.31		
	0.03				0.25		
BWN05	0.002			6.1±0.4	0.59		
	0.005				0.35		
BWN05	0.006				0.51		
	0.01				0.31		

DERATING CUREVES



ORDERING PROCEDURE EXAMPLE



Please ask RARA for more info on this.