

E-Beam Welded Through Hole Shunt Resistors

These space saving components feature E-Beam welded construction and full RoHS compliancy. Available in 2-terminal or 4-terminal Kelvin connections. Other features include Max. 55 ampere continuous operating current and an inductance of less than 10nH. Applications: current sensing, feed back, motor control, surge/pulse applications.



GENERAL SPECIFICATIONS

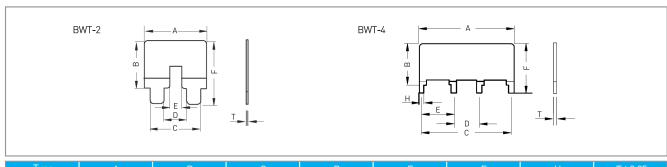
Model	Power Rating [W]	Resistance [Ω]	Tolerance (%)	
BWT-2	2	0.003 ~ 0.010	F[±1%] , J[±5%]	
BWT-4	5	0.0005 ~ 0.01		

CHARACTERISTICS

Values in [] mean change in Ω after test

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Test	BWT 2	BWT 4	Test method		
Temperature Coefficient	[<±50	ppm/℃]	-55℃ ~ +125℃		
Moisture Resistance	$[< \pm 0.5\%]$	[< ±1.0%]	40℃, 93±3% RH, 56days		
Thermal Shock	$[< \pm 1.0\%]$	$[< \pm 1.5\%]$			
Temperature Cycle	$[< \pm 0.5\%]$	[< ±1.0%]	-55°C ~ 125°C, 1000hours		
High Temperature Exposure	$[< \pm 1.0\%]$	$[< \pm 1.75\%]$	125°C, 1000hours		
Mechanical Shock	$[< \pm 0.5\%]$	[< ±1.0%]	125°C, 1000hours		
Vibration	$[< \pm 0.5\%]$	$[< \pm 1.0\%]$			
Solder Resistance	$[< \pm 0.5\%]$	[< 1.0%]	$350\pm10^{\circ}\mathrm{C}$, 2.5seconds		
Load Life	$[< \pm 0.5\%]$	[< ±1.0%]	70 ± 2 °C, Ar, 1000hours		

DIMENSIONS [mm]



Туре	А	В	C	D	E		Н	1±0 . 05
BWT-2	15.6 ± 0.5	14.0 ± 0.3	13.6±0.2	4.0±0.2	1.2±0.2	17.0 ± 0.3	/	0.32
	17.2 ± 0.5	10.0±0.3	15.2±0.2	5.6±0.2	1.2±0.2	13.0±0.3	/	
BWT-4	22.0±0.5	10.9±0.3	20.3±0.2	5.2±0.2	7.55 ± 0.2	14.4±0.3	1.7±0.25	0.35 ~ 1.80

ORDERING PROCEDURE EXAMPLE

