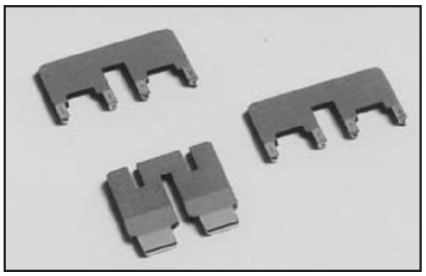
E-Beam Welded Through Hole Shunt Resistors

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	

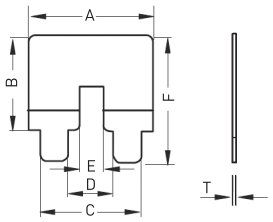
CHARACTERISTICS

Values in [ ] mean change in Ω after test

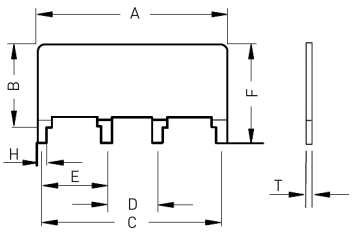
Test	BWT 2	BWT 4	Test method
Temperature Coefficient	[< ±50 ppm/℃]		-55℃ ~ +125℃
Moisture Resistance	[< ±0.5%]	[< ±1.0%]	40℃, 93±3% RH, 56days
Thermal Shock	[< ±1.0%]	[< ±1.5%]	
Temperature Cycle	[< ±0.5%]	[< ±1.0%]	-55℃ ~ 125℃, 1000hours
High Temperature Exposure	[< ±1.0%]	[< ±1.75%]	125℃, 1000hours
Mechanical Shock	[< ±0.5%]	[< ±1.0%]	125℃, 1000hours
Vibration	[< ±0.5%]	[< ±1.0%]	
Solder Resistance	[< ±0.5%]	[< 1.0%]	350±10℃, 2.5seconds
Load Life	[< ±0.5%]	[< ±1.0%]	70±2℃, Ar, 1000hours

DIMENSIONS [mm]

BWT-2

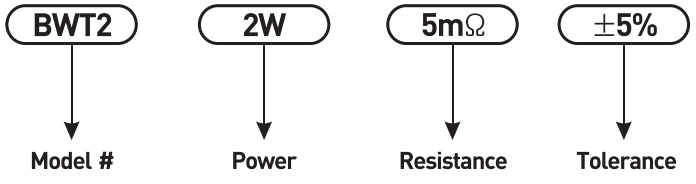


BWT-4



Type	A	B	C	D	E	F	H	T±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



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