

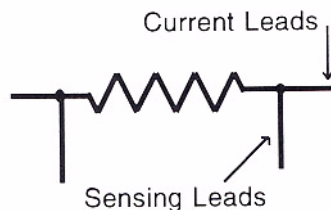
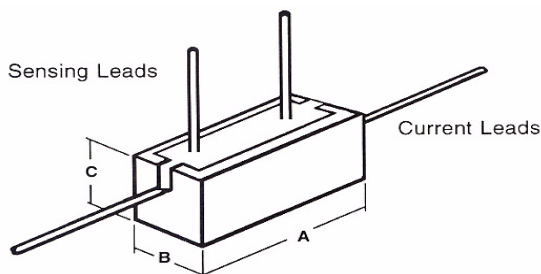
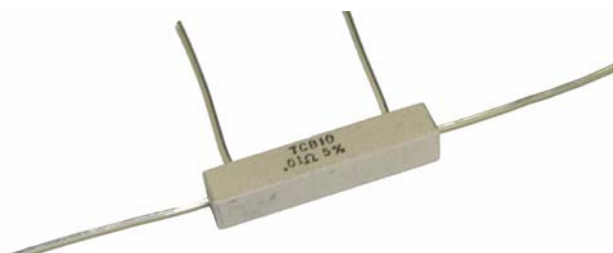
TCB Series — Ceramic Housed for Current Sensing - 4 Leads



Features

- Four terminal construction
- Low inductance
- Low temperature coefficient
- RoHS compliant / lead-free
- Fireproof construction
- All welded termination
- Low resistance value ceramic encased resistor

See CB data sheet for performance and environmental specifications



Lead Diameter .036 Length 1" minimum

Electrical Specifications

Type / Code	Power Rating (Watts) @ 70°C	Resistance Temperature Coefficient	Ohmic Range and Tolerance	
			1%	5%
TCB 3	3W	±40 ppm/°C	0.005Ω – 0.10Ω	0.005Ω – 0.10Ω
TCB 5	5W	±40 ppm/°C	0.005Ω – 0.10Ω	0.005Ω – 0.10Ω
TCB 7	7W	±40 ppm/°C	0.010Ω – 0.15Ω	0.010Ω – 0.15Ω
TCB 10	10W	±40 ppm/°C	0.010Ω – 0.20Ω	0.010Ω – 0.20Ω
TCB 15	15W	±40 ppm/°C	0.010Ω – 0.20Ω	0.010Ω – 0.20Ω

Mechanical Specifications

Type / Code	A Body Length (max)	B Body Width	C Body Height (Bulk)	Sensing Lead Spacing	Units
Tolerance	±0.031	±0.031	±0.031	±0.062	inches
	±0.8	±0.8	±0.8	±1.6	mm
TCB 3	0.875	0.312	0.312	0.563	inches
	22.2	7.9	7.9	14.3	mm
TCB 5	0.875	0.375	0.375	0.563	inches
	22.2	9.5	9.5	14.3	mm
TCB 7	1.400	0.375	0.375	1.000	inches
	35.6	9.5	9.5	25.4	mm
TCB 10	1.875	0.375	0.375	1.375	inches
	47.6	9.5	9.5	34.9	mm
TCB 15	1.875	0.500	0.500	1.375	inches
	47.6	12.7	12.7	34.9	mm

How to Order

TCB		3	0.1	5%	B
SEI Type		Code	Nominal Resistance	Tolerance	Packaging
SEI Type	Description	Code	Wattage	Tolerance	SEI Type
TCB	4 - Leads	3	3W	1%	All
		5	5W	5%	50
		7	7W		Bulk
		10	10W		
		15	15W		
					Code
					B