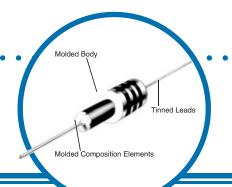
IBT Series



Carbon Composition Resistor

- Meets performance standards of EIA RS-172
- · Hot molded process for product uniformity
- · Ideal for pulse-loaded handling
- · Non-inductive design



Electrical Data

Tested Per MIL-STD-202					
	IBT 1/4	IBT 1/2	IBT 1		
Power Rating Determined by load life test 100% load @ 70°C ambient	1/4W	1/2W	1W		
Rated Continuous Working Voltage (RCWV)	P x R or 250 volts whichever is less	P x R or 350 volts whichever is less	P x R or 500 volts whichever is less		
Maximum Ambient Temperature Resistors derated to zero load at this temperature	±130°C	±130°C	±130°C		
Nominal Resistance Range	1 Ω - 5.6 meg Ω	1 Ω - 20 meg Ω	2.2 Ω - 1 meg Ω		
Standard Resistance Tolerances	±5%, ±10% ±5%, ±10% ±10%				
Dielectric Withstand Voltage Atmospheric Pressure Barometric pressure 3.4" Hg 115 millibars	500V 325V	700V 450V	1000V 650V		
Insulation Resistance (min.)	10,000 meg	10,000 meg	10,000 meg		
Voltage Coefficient of Resistance % resistance change/volt at 10% and (min.) 100% RCWV for values 1K to 20 meg (max.)	005% 032%	005% 032%	005% 032%		
Short-Time Overload Maximum Voltage Apply 2.5 times RCWV at maximum Typical resistance change Indicated for 5 seconds Maximum resistance change	700V ±0.5% ±2%	700V ±0.5% ±2%	700V ±0.5% ±2%		





IBT Series

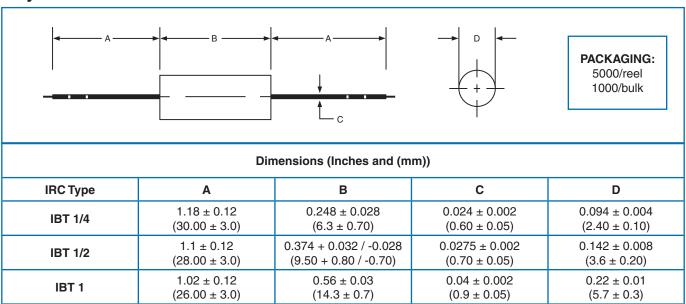


Carbon Composition Resistor

Resistance Temperature Characteristics

	Resistance Range	-55°C	-105°C
Maximum percent resistance change from room temperature (+25°C) value	under 1K	+2.0 to +5.0	-4.0 to -2.0
	1K to 9.1 K	+5.0 to +9.0	-5.0 to -3.0
	10K to 91K	+8.0 to +11.0	-7.0 to -5.0
	100K to 910K	+10.0 to +14.0	-9.0 to -7.0
	1 meg to 10 meg	13.0 to +20.0	-14.0 to -9.0

Physical Data



Ordering Data

