

### Type CJT Series



Tyco Electronics is a leading supplier of standard and custom-designed power resistors for industrial, control and general-purpose applications.

The CJT Series of resistors are advantageous to conventional ceramic resistors in the terms of weatherproofing, oscillation-resistance and safety. They are widely applied to a range of electrical circuits including power supplies, inverters and servo systems. With easy airtight fitting and the ability to fit a heatsink the resistor is highly suited to challenging environmental conditions.

### Key Features

- Up to 2000W Power Rating
- Aluminium Enclosure
- Vibration Resistant

### Applications

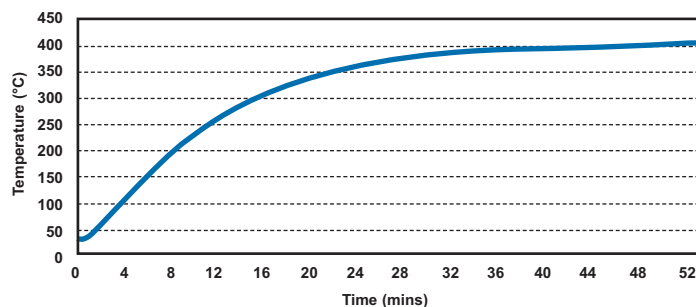
- Power Supplies
- Inverters
- Servo Systems
- Electrical Systems in Difficult Environments

### Characteristics - Electrical

Type	CJT60	CJT80	CJT100	CJT120	CJT150	CJT200	CJT300
Rated Power in Free Air (W)	60	80	100	120	150	200	300
Ohmic Value - Min	1R0						
Ohmic Value Max	2K7						
Tolerance	5%						
Temp. Coefficient of resistance	440ppm						
Resistor Element Max Working Voltage	1kV						
Dielectric Voltage	AC2.5KV / 1min 50Hz						
Insulation Resistance (Meg Ohms)	R≥100MΩ						
Max. surface temp at Rated Power Free air (Deg C)	206°C	221°C	254°C	267°C	286°C	306°C	334°C
Weight	150g	185g	240g	280g	300g	445g	600g
Termination	Lead						
Lead Length	500mm						
Lead Diameter	1.5mm						
Terminal Creep Distance	N/A						

Type	CJT400	CJT500	CJT800	CJT1000	CJT1200	CJT1500	CJT2000
Rated Power in Free Air (W)	400	500	800	1000	1200	1500	2000
Ohmic Value - Min	1R0						
Ohmic Value Max	2K7						
Tolerance	5%						
Temp. Coefficient of resistance	440ppm						
Resistor Element Max Working Voltage	1kV						
Dielectric Voltage	AC2.5KV / 1min 50Hz						
Insulation Resistance (Meg Ohms)	R≥100MΩ						
Max. surface temp at Rated Power Free air (Deg C)	370°C	358°C	311°C	372°C	406°C	419°C	453°C
Weight	765g	965g	1.18kg	3.46kg	3.885kg	4.31kg	4.89kg
Termination	Lead		Lead / Terminal				
Lead Length	500mm						
Lead Diameter	1.5mm		4mm				
Terminal Creep Distance	N/A		30mm	42mm	42mm	42mm	42mm

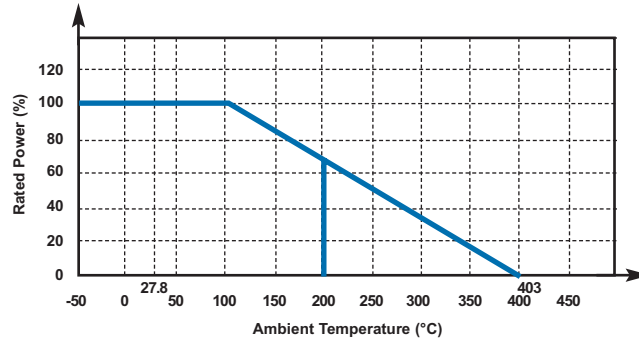
### Temperature Rise



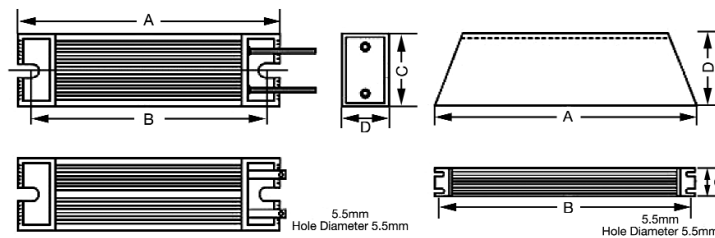
# Aluminium Enclosed Resistor

## Type CJT Series

### Derating Curve



### Dimensions



Rated Power (W)	Dimensions			
	A	B	C	D
60	115	98	40	20
80	140	123	40	20
100	165	148	40	20
120	190	173	40	20
150	215	197	40	20
200	165	147	60	30
300	215	197	60	30
400	265	247	60	30
500	335	317	60	30
800	400	382	61	59
1000	400	384	50	107
1200	450	434	50	107
1500	485	470	50	107
2000	550	532	50	107

### How to Order

CJT	60	1K0	J	J
Common Part	Power Rating	Resistance Value	Tolerance	Connection
CJT- Aluminium Enclosed Resistor	60 - 60 Watt 80 - 80 Watt 100 - 100 Watt 120 - 120 Watt etc.	1 ohm (1000 milliohms) 1R0 10 ohm (10 ohms) 10R 100R ohms (100 ohms) 100R 1k ohms (1000 ohms) 1K0	J - ±5%	M - Terminal J - Lead