

Type CJT Series

Key Features

- Modular versions available
- Environmental protection to IP54
- Up to 2000W power rating
- Aluminium enclosure
- Vibration resistant

Applications

- Power supplies
- Inverters
- Servo systems
- Electrical systems in difficult environments



TE Connectivity (TE) 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 vertaining resistors in the terms of weather proofing, oscillation-resistance and safety. They are gidely 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.

Characteristics - Electrical

Туре	CJT60	CJTBo	17.00	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 (Megohm)	R≥100MΩ										
Max. Surface Temp. at Rated Power Free Air (°C)	€06°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									

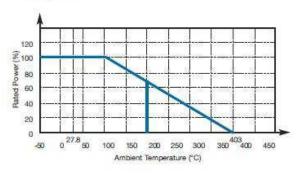
Туре	CJT400	CJT500	CJT800	CJT1000	CJT1200	CJT1500	CJT200		
Rated Power in Free Air (W)	400	500	800	1000	1200	1500	2000		
Ohmic Value - Min	1R0								
Ohmic Value Max	2K7								
Tolerance	5%								
Temp. Coefficient of Resistance				440ppm					
Resistor Element Max Working Voltage		1kV							
Dielectric Voltage	AC2.5kV/1min 50Hz								
Insulation Resistance (Megohm)	R≥100MΩ								
Max. Surface Temp. at Rated Power Free Air (°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	1	30mm	42mm	42mm	42mm	42mm		

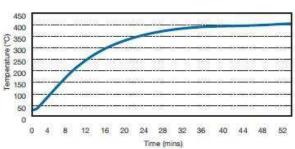


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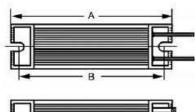
Derating Curve

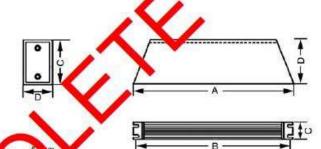
Temperature Rise





Dimensions - CJT Series





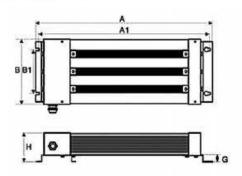


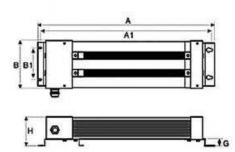
Rated Power		Dimensions (mm)						
(W)		В	С	D				
60	113	98	40	20				
80	0	123	40	20				
100	15	148	40	20				
120	30	173	40	20				
150	215	197	40	20				
200	165	147	60	30				
300	215	197	60	30				
400	265	247	60	30				
500	335	317	60	30				
800	400	382	61	59				
1000	400	384	50	107				
1200	450	434	50	107				
1500	485	470	50	107				
2000	550	532	50	107				



Type CJT Series

Dimensions - CJTM Series





Pov	Rated	Resista	ance (Ω)		Di	Connecting	Lead				
	(W)	Min	Max	Α	A1	В	B1	G	н	Wire (mm²)	Length (mm)
CJTM1U	200	1	2K7	268	253	64	30	20	- 14	2.5	500
CJTM1U	300	- 1	2K7	318	303	64	30	20	54	2.5	500
CJTM1U	400	- 1	2K7	368	353	64	30	20	5	2.5	500
CJTM1U	500	1	2K7	438	423	64	30		4	2.5	500
CJTM1U	600	1	2K7	503	488	64	30	0	5	2.5	500
CJTM2U	800	2	5K4	372	355	84	49	20	84	2.5	500
CJTM2U	1000	2	5K4	442	425	84	18	20	84	2.5	500
CJTM2U	1200	2	5K4	507	490	84	49	20	84	2.5	500
CJTM3U	1200	3	8K1	372	355	134	VF.	20	84	2.5	500
CJTM3U	1500	3	8K1	442	425	134		20	84	2.5	500
CJTM3U	1800	3	8K1	507	490	34	75	20	84	2.5	500
CJTM4U	1600	4	10K8	372	355	18	120	20	84	2.5	500
CJTM4U	2000	4	10K8	442	1.5	84	125	20	84	4	500
CJTM4U	2400	4	10K8	507	90	18	125	20	84	4	500
CJTM5U	2000	5	13K5	372	55	27	175	20	84	4	500
CJTM5U	2500	5	13K5	4	42	234	175	20	84	4	500
CJTM5U	3000	5	13K5	07	-00	234	175	20	84	4	500



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