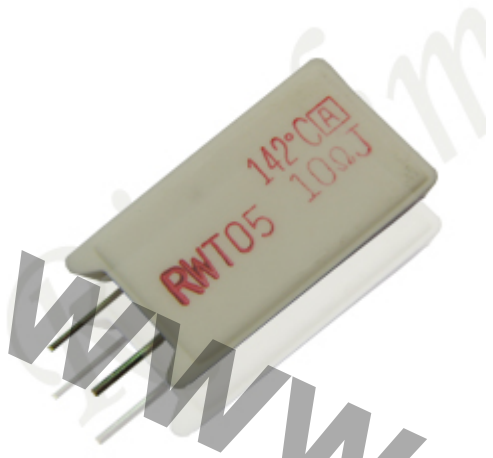
Cement Resistors



INTRODUCTION

The material used and the construction techniques ensure excellent flame resistance, arc resistance and moisture resistances as well as self-extinguishing capabilities. They will withstand the most rigorous loading test.

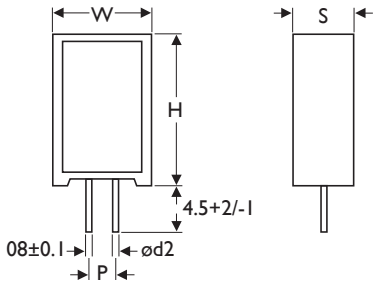
Apply fusible thermal resistors, respond quickly to overloading as external overheaging. These resistors also provide outstanding feature against surges, suitable for the prevention of inrush current for switching regulatiors.

FEATURES

Rated Current	2A, 3A, 5A, 10A
Resistance Tolerance	±5%, ±10%
T.C.R	±250ppm/°C

DIMENSIONS

Unit: mm



STYEL	DIMENSION				
Normal	H	W	S	P	ød2
FTR100	25±1.5	13±1.0	9.0±1.0	5.0±1.0	2A: 0.6±0.1
FTR200	38±1.5	13±1.0	9.0±1.0	5.0±1.0	3A: 0.6±0.1
FTR300	35±1.5	16±1.0	12±1.0	7.5±1.0	5A: 1.0±0.1
					10A: 1.0±0.1

ELECTRICAL CHARACTERISTICS

FTR100 / 200 / 300					FTR100	FTR200	FTR300
Standard Current(A)	**Fusing Temperature (°C)**	**Standard Voltage (V)**	**Resistance Range**	**Operating Temperature Range**	**Power Rating at 70°C**		
10A	109+1/-3				1.2	1.4	2.0
	129±4				1.6	2.0	2.5
	152±4				1.6	2.0	2.5
	188+3/-1				2.0	2.4	3.5
	226+1/-3				2.0	2.4	3.5
5A	129±3	250	1 Ω - 10K Ω	-25°C to +125°C	1.6	2.2	-
	187+1/-3				2.1	2.4	-
3A	145±4				1.6	2.2	-
2A	95+3/0				0.8	1.2	-
	110±4				1.2	1.4	-
	126±4				1.4	1.6	-
	130±4				1.6	2.1	-
	145±4				2.1	2.4	-

Note: Special value is available on request.

ENVIRONMENTAL CHARACTERISTIC

PERFORMANCE TEST	TEST METHOD		APPRAISE
Short Time Overload	JIS-C-5202 5.5	2.5 times RCWV for 5 Sec.	±2.0%+0.05 Ω
Temperature Coefficient	JIS-C-5202 5.2	-25°C to +125°C	By type
Terminal Strength	JIS-C-5202 6.1	Direct load for 10 Sec. In the direction of the terminal leads	≥25N
Load Life	JIS-C-5202 7.10	25°C at RCWV for 1,000 Hr. (1.5 Hr. on, 0.5 Hr. off)	±5.0%+0.1 Ω

Note: Rated Continuous Working Voltage (RCWV) = $\sqrt{\text{Power Rating} \times \text{Resistance Value}}$