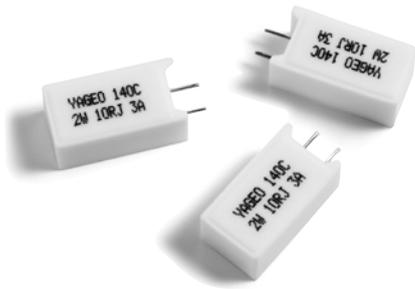


Cement Resistors

Fusible Thermal & Vertical Lead Type

Normal Style [FTR Series]



INTRODUCTION

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

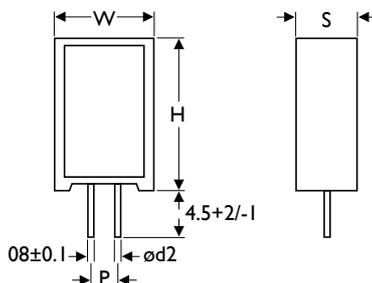
Apply fusible thermal resistors, respond quickly to overloading as external overheating. These resistors also provide outstanding feature against surges, suitable for the prevention of inrush current for switching regulators.

FEATURES

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

DIMENSIONS

Unit: mm



STYLE	DIMENSION				
	H	W	S	P	ød2
FTR100	25±1.5	13±1.0	9.0±1.0	5.0±1.0	0.6±0.1
FTR200	38±1.5	13±1.0	9.0±1.0	5.0±1.0	
FTR300	35±1.5	16±1.0	12±1.0	7.5±1.0	

Note:

ELECTRICAL CHARACTERISTICS

STYLE	STANDARD CURRENT (A)	FUSING TEMPERATURE (°C)	STANDARD VOLTAGE (V)	RESISTANCE RANGE	POWER RATING AT 70°C		
					FTR100	FTR200	FTR300
FTR100 / 200 / 300	10A	109+1/-3	250	1 Ω - 10K Ω	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			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	-
		135±4			1.8	2.2	-
					145±4	2.1	2.4

Note: Special value is available on request

ENVIRONMENTAL CHARACTERISTICS

PERFORMANCE TEST	TEST METHOD		APPRAISE
Short Time Overload	IEC 60115-1 4.13	2.5 times RCWV for 5 Sec.	±2.0%+0.05 Ω
Temperature Coefficient	IEC 60115-1 4.8	-25°C to +125°C	By type
Robustness of Terminations	IEC 60115-1 4.16	Direct load for 10 Sec. In the direction of the terminal leads	≥25N
Damp Heat Steady State	IEC 60115-1 4.24	40±2°C, 90-95% RH for 56 days, loaded with 0.1 times RCWV	±5.0%+0.1 Ω

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