

RFT series

Thermal Fuse Built-in Resistors



- Wide Resistance Range and Thermal Cut-Off Temperature
- Resistor with Quick Current Break Ability for Cement Resistor and Thermal Fuse
- Standard is Low Smoke Type with Safety Design
- Anti-Surge Ability

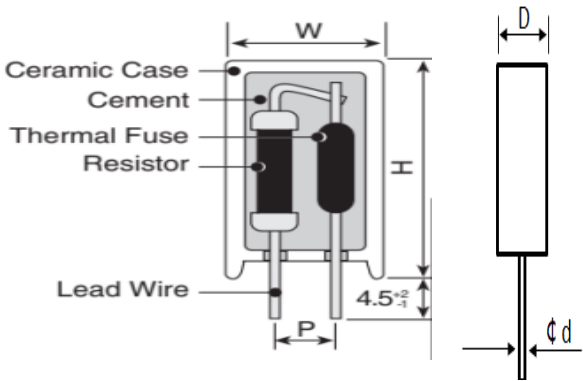
■ SPECIFICATIONS

ITEM	SPECIFICATIONS	
Temperature Coefficient		± 260ppm/°C
Dielectric Withstanding Voltage	±(0.5%+0.05Ω)	500VAC 1minute
Insulation Resistance	1000MΩ Min.	500VDC 1minute
Shot Time Overload	±(2%+0.1Ω)	2.5x Rated Power 5seconds
Resistance against Soldering	±(1%+0.05Ω)	260 °C for 10seconds. Put in the PCB (1mm thick)
Load Life in Humidity	±(3%+0.05Ω)	40 °C , 90~95%RH, 0.1xPower Rating, 90minutes on, 30minutes off, 1000hours
		25 °C Power Rating 90minutes on, 30minutes off, 1000hours
Load Life	±(5%+0.05Ω)	

■ RATINGS

Nominal Operating Temp.(°C)	Voltage Rating(V)	Current Rating (A)	Continuous Rated Power(W)		Resistance Range(Ω)	Resistance Tolerance(%)
			RFT 5W	RFT 7W		
102 °C	250V	2A , 3A	0.9		0.47Ω ~56KΩ	J (±5%) K (±10%)
115 °C			1.0			
127 °C			1.2			
133 °C			1.3			
136 °C			1.4			
139 °C			1.6			
145 °C			1.7			
98 °C	250V	10A , 15A	1.0	1.3		
100 °C			1.1	1.3		
109 °C			1.2	1.5		
121 °C			1.3	1.7		
126 °C			1.5	1.9		
128 °C			1.5	1.9		
139 °C			1.6	2.1		
144 °C			1.7	2.2		
152 °C			1.8	2.3		
167 °C			2.0	2.4		

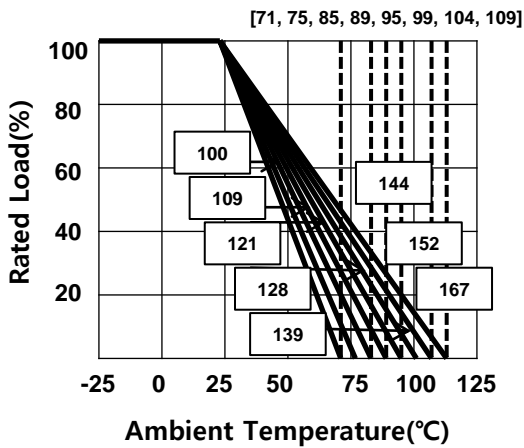
■ DIMENSIONS



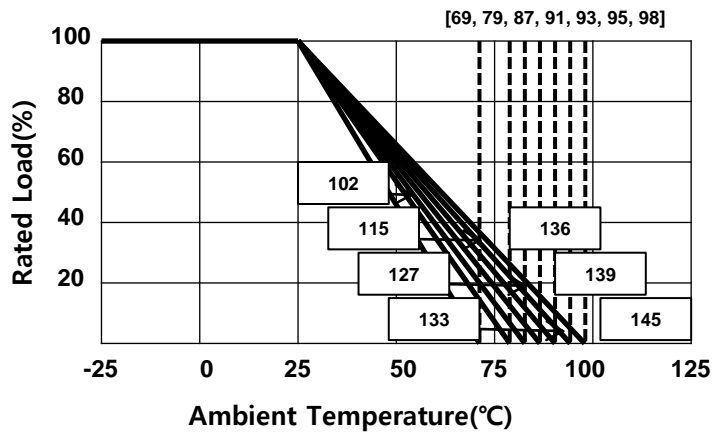
TYPE	Power Rating	Dimensions(mm)					
		W±1	D±1	H±1	P±1	d R -Lead	d Fuse-Lead
RFT 5	5W	13	9	25	5	0.8	0.6 / 1.0
RFT 7	7W	14	9	40	5	0.8	1.0

■ DERATING CURVES

Fuse Rating 10A Reduction Curve



Fuse Rating 2A , 3A Reduction Curve



■ HOW TO ORDER

RFT	5W	10Ω	J	Tf
TYPE	POWER RATING	NOMINAL RESISTANCE	RESISTANCE TOLERANCE	RATED FUNCTIONING TEMP. Tf

www.resistors.co.kr

Tel +82-7648216