

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

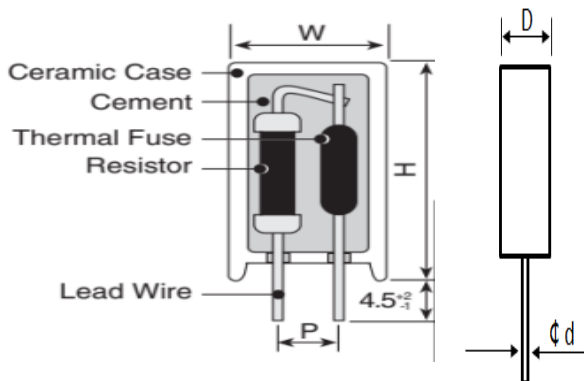
■ SPECIFICATIONS

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

■ RATINGS

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

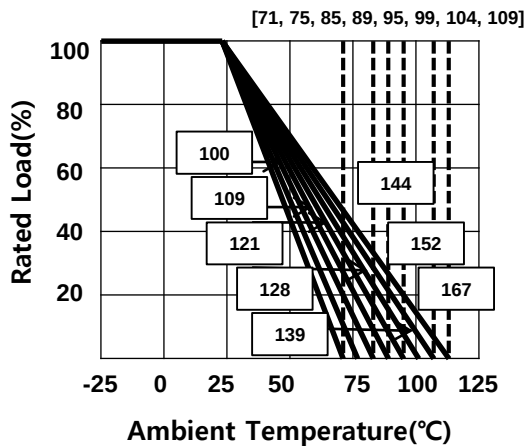
■ DIMENSIONS



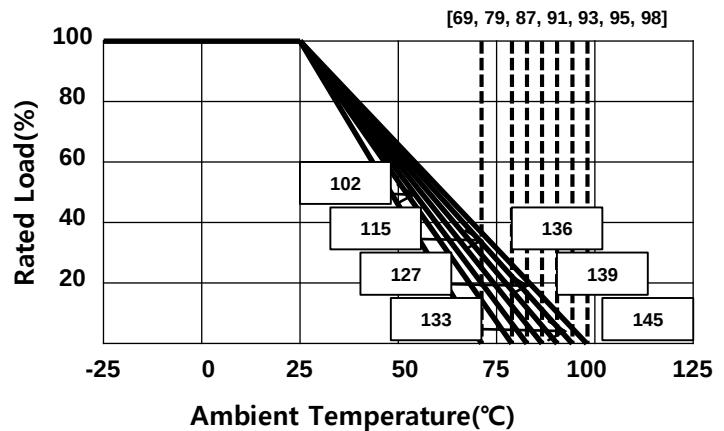
TYPE	Power Rating	Dimensions(mm)					
		W±1	D±1	H±1	P±1	d R -Lead	d Fuse-Lead
RFT 5	5W	13	9	25	5	0.8	0.6 / 1.0
RFT 7	7W	14	9	40	5	0.8	1.0

■ 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 +82-31-764-8216