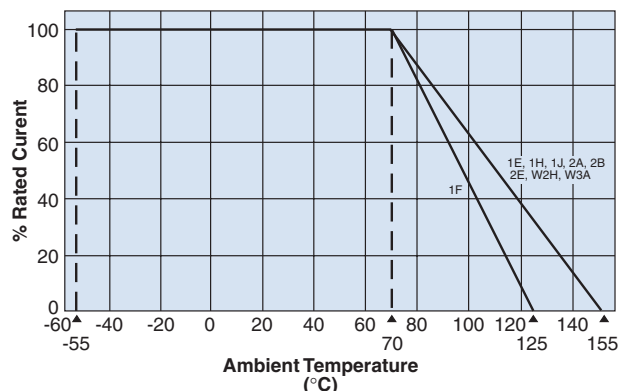


applications and ratings

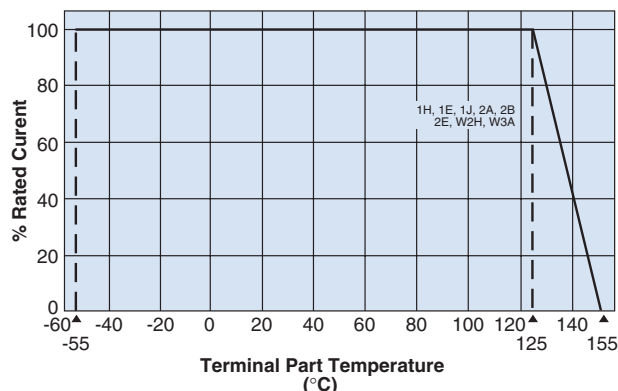
Part Designation	Rated Ambient Temperature	Rated Terminal Part Temperature	Maximum Continuous Current @ 70°C	Maximum Overload Current @ 70°C (for < 1 second)	Maximum Resistance	Operating Temperature Range
RK73Z1F	70°C	—	0.5 Amps	1.0 Amp Max.	50mΩ	-55°C to +125°C
RK73Z1H		125°C	0.5 Amps	1.0 Amp Max.		-55°C to +155°C
RK73Z1E RK73Z1J			1.0 Amps	2 Amp Max.		
RK73Z2A			2.0 Amps	5 Amp Max.		
RK73Z2B RK73Z2E RK73Z2H/W2H RK73Z3A/W3A			2.0 Amps	10 Amp Max.		

environmental applications

Derating Curve



For resistors operated at an ambient temperature of 70°C or above, a current rating shall be derated in accordance with the above derating curve.



For resistors operated at a terminal part temperature of described for each size or above, a power rating shall be derated in accordance with the derating curve.

Please refer to "Introduction of the derating curve based on the terminal part temperature" in the beginning of our catalog before use.

Performance Characteristics

Parameter	Requirement		Test Method
	Limit	Typical	
Resistance	50mΩ Max. after the test	15mΩ Max. after the test	25°C
Overload (Short time)	50mΩ Max. after the test	18mΩ Max. after the test	Maximum overload current for 5 seconds , 1 cycle
Resistance to Solder Heat	50mΩ Max. after the test	15mΩ Max. after the test	260°C ± 5°C, 10 seconds ± 1 second
Rapid Change of Temperature	50mΩ Max. after the test	15mΩ Max. after the test	-55°C (30 minutes), +125°C (30 minutes), 100 cycles
Moisture Resistance	100mΩ Max. after the test	18mΩ Max. after the test	40°C ± 2°C, 90%-95% RH, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
Endurance at 70°C	100mΩ Max. after the test	18mΩ Max. after the test	70°C ± 2°C, 1000 hours, 1.5 hr ON, 0.5 hr OFF cycle
High Temperature Exposure	100mΩ Max. after the test	15mΩ Max. after the test	+125°C, 1000 hours: 1F +155°C, 1000 hours: 1H, 1E, 1J, 2A, 2B, 2E, W2H/2H, W3A/3A