

● Reference Standards

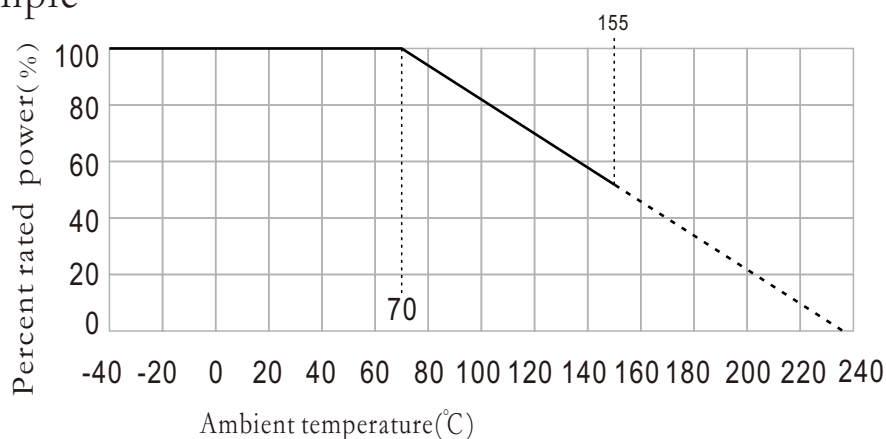
JIS C 5201-1

● Power And Resistance etc

Type	Rated Power(W)	Resistance Range(Ω)	MaxWorking Voltage	MaxOverload Voltage	Dielectric Withstanding Voltage	T.C.R
SQK	30	1~10K	\sqrt{PR}	$\sqrt{10PR}$	1000V	$\pm 100\text{PPM}/^\circ\text{C}$

● Derating Curve

Example



● Performance

Test Items	Performance Requirements	Test Methods(JIS C 5201-1)
Resistance	Within specified tolerance	Measuring points are 10mm from the end cap
T.C.R.	Within specified T.C.R	Room temperature+100°C
Short time overload	$\pm (1\%R+0.05\Omega)$	10 times the rated power for 5 seconds
Load life	$\pm (5\%R+0.1\Omega)$	Rated voltage at 70°C for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
Load life in humidity	$\pm (5\%R+0.1\Omega)$	Rated voltage at 40°C ,95%RH for 1,000 hours
Temperature cycle	$\pm (1\%R+0.05\Omega)$	5 cycles for -25°C (30min);room temp.(30min) ~+85°C (30min)room temp.(30min)
Resistance to soldering heat	$\pm (1\%R+0.05\Omega)$	260°C±5°C for 10 seconds 350°C±10°C for 3.5 seconds
Insulation resistance	> 100M Ω	500V insulation test 1min.