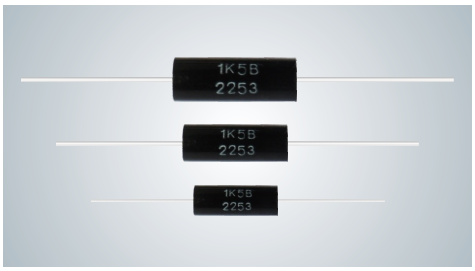
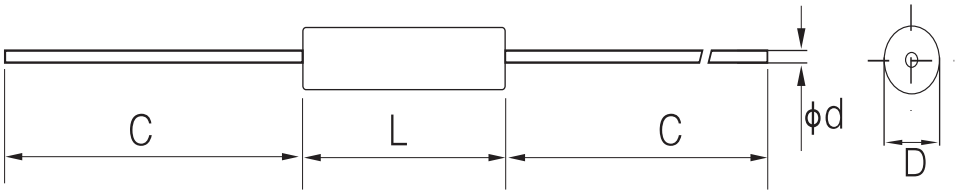
EE High Reliability Precision Metal Film Resistor



Features

Ⅰ High stability, high precision, moisture proof
Ⅱ Measure up GJB1929-1994
Ⅲ Temp.range:-65℃~175℃
Ⅳ Stability:±0.5%,125℃,1000h
Ⅴ Mold style

Dimensions



Type	Power (70℃)	Dimensions(mm)			
		L±0.3	D±0.3	C±2	d±0.05
EE1/20	0.067W	3.9	1.8	25	0.50
EE1/10	1/8W	7.0	2.5	35	0.60
EE1/8	1/4W	10.0	3.5	35	0.60
EE1/4	1/2W	14.8	5.2	35	0.60
EE1/2	3/4W	18.3	6.5	35	0.80

Ordering Information

Example:

EE	1	D	10R0	C10	B
(1)	(2)	(3)	(4)	(5)	(6)
Series Name	Power Rating	Resistance Tolerance	Resistance	T.C.R	Packing

(1)Type: EE SERIES
(2)Power Rating: 1/20=1/8W,1/10=1/4W,1/8=1/2W,1/4=3/4W,1/2=1W
(3)Tolerance: P=±0.02%,W=±0.05%,B=±0.1%,C=±0.25%,D=±0.5%,F=±1%
(4)Resistance Value:0R100=0.1Ω、1R00=1Ω、10R0=10Ω、100R0=100Ω、1M0=1MΩ
(5)T.C.R:C8=±3PPM,C7=±5PPM,C6=±10PPM,C5=±15PPM,C4=±20PPM,C3=±25PPM,C2=±50PPM
(6)Packing:B=BOX

Packing:Plastic recloseable bags(moq:30pcs)。

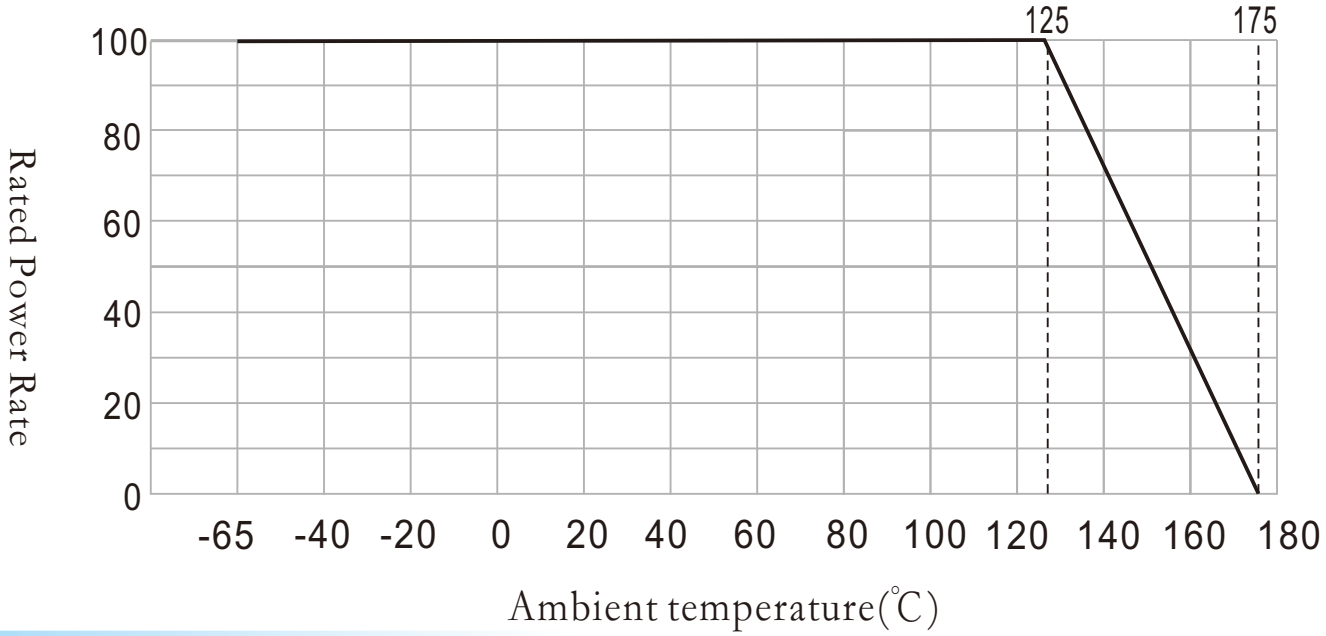
Reference Standards

JISC 5201-1

Applications And Ratings

Rated Power(W)	TYPE OF GJB1929-1994	Power Rating at tu℃ (W)			MaxWorking Voltage	Resistance Range(Ω)	Tolerance Range	T.C.R
		70℃	100℃	125℃				
0.067W	RJ52	0.067	0.057	0.050	200	10R~2M0	P(±0.02%) W(±0.05%) B(±0.1%) C(±0.25%) D(±0.5%) F(±1.0%)	C7(±5),C6(±10), C5(±15),C4(±20), C3(±25),C2(±50) C1(±100)
1/8W	RJ53	0.125	0.110	0.100	200	0R1~5M		
1/4W	RJ54	0.250	0.173	0.125	250	0R1~10M		
1/2W	RJ55	0.500	0.350	0.250	300	0R1~5M		
3/4W	RJ56	0.750	0.610	0.500	350	0R1~10M		

Derating Curve



Performance

Test Items	Performance	Test Methods(JIS C 5201-1)
Short time overload	≤ ±(0.25%R+0.05Ω)	2.5VR,5S
Thermal shock	≤ ±(0.25%R+0.05Ω)	-65℃~175℃,5cycles
Low temp.operation	≤ ±(0.25%R+0.05Ω)	-65℃,PR,1h
Dielectric strength	≤ ±(0.25%R+0.05Ω)	1000VAC,1min
Leaching	≤ ±(0.1%R+0.05Ω)	260℃,10s
Resistance to moisture	≤ ±(0.5%R+0.05Ω)	-10℃~65℃,RH80-98%,240h
Load life	≤ ±(0.5%R+0.05Ω)	125℃,PR,1000h
Shock	≤ ±(0.25%R+0.05Ω)	1000m/s²,6ms
Vibration	≤ ±(0.25%R+0.05Ω)	10~1000HZ,0.75mm,200m/s²