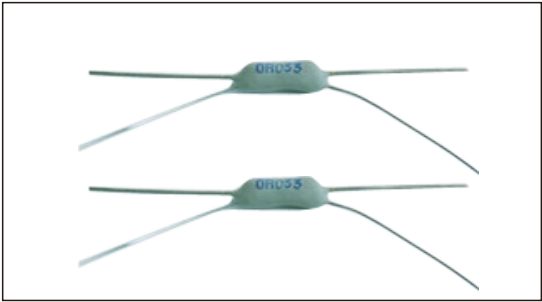


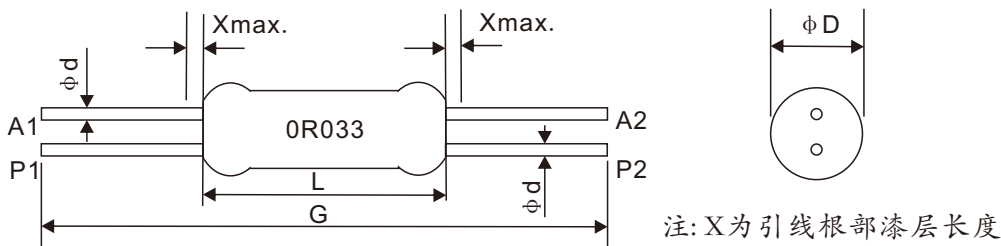
ACD合金带电阻



● 特点

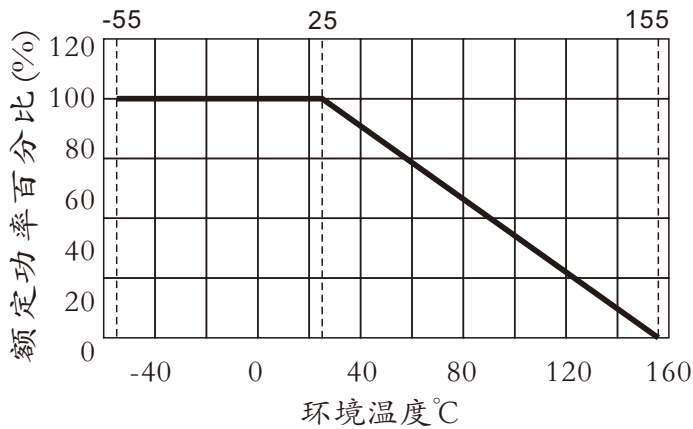
ACD电阻器采用镍铬系列和锰铜系列的精密电阻合金绕制而成，具有阻值低、精度高、电阻温度系数小、性能稳定等优点，广泛用于恒流、恒压及取样电路中。

● 尺寸



型号	功率 (W)	尺寸(mm) [inches]				
		D	L	d	Xmax.	G
ACD01	1W	4.3[0.169]	11[0.433]	0.8±0.03 [0.031±0.001]	2	63±1[2.480±0.039]
ACD03	3W	4.8[0.189]	13[0.512]		2	63±1[2.480±0.039]
ACD04	4W	5.5[0.217]	16.5[0.650]		3	63±1[2.480±0.039]
ACD05	5W	7.5[0.295]	18[0.709]		3	63±1[2.480±0.039]
ACD07	7W	7.5[0.295]	26[1.024]		3	73±1[2.874±0.039]
ACD10	10	8.0[0.315]	44[1.732]		3	88±1[3.465±0.039]

● 降功耗曲线



● 参考规格

IEC 60115-1

阻值精度与耐电压

型号	额定功率 (W) at 40℃	额定功率 (W) at 70℃	额定电压 (V)	精度	电阻范围(1) Ω TCR = $\pm 10\text{ppm/k}$ to $\pm 80\text{ppm/k}$	电阻范围(2) Ω TCR = $\pm 100\text{ppm/k}$ to $\pm 180\text{ppm/k}$	电阻范围(3) Ω TCR = $\pm 100\text{ppm/k}$
ACD01	1	0.9	$\sqrt{P \times R}$	J = $\pm 5\%$ F = $\pm 1\%$ B = $\pm 0.1\%$	0.01 — 33	36 — 2.4K	n/a
ACD03	3	2.5			0.01 — 390	430 — 3.3K	3.6K — 5.1K
ACD04	4	3.5			0.01 — 620	680 — 6.8K	n/a
ACD05	5	4.7			0.01 — 910	1K — 10K	n/a
ACD07	7	5.8			0.01 — 1.5K	1.6K — 15K	n/a
ACD10	10	8.4			0.01 — 560	620 — 27K	n/a

性能

试验项目	性能要求	测试方法(IEC 60115-1)
阻值	按规定	测量点从端盖10mm
温度系数	按规定	Room temperature+100℃
短时间过载	T.C.R $\pm (2\%R + 0.1\Omega)$	10 times of the rated power for 5 seconds
负载寿命	$\pm (5\%R + 0.1\Omega)$	Rated voltage at 70℃ for 1,000 hours 1.5hr ON/0.5hr OFF Cycles
耐湿负荷寿命	$\pm (5\%R + 0.1\Omega)$	Rated voltage at 40℃, 95%RH for 1,000 hours
防潮性	$\pm (1\%R + 0.05\Omega)$	40℃, 95%RH for 240 hours
温度循环	$\pm (1\%R + 0.05\Omega)$	At -55℃ for 30min, time at +25℃ for 10-15min, time at +155℃ for 30min, time at +25℃ for 10-15min, total 5cycles.
可焊性	焊锡面积覆盖率95%以上	245℃ $\pm 5^\circ\text{C}$ 的锡炉中浸入3s $\pm 0.5\text{s}$
耐焊接热	$\pm (0.5\%R + 0.05\Omega)$	260℃ $\pm 5^\circ\text{C}$ for 10 seconds 350℃ $\pm 10^\circ\text{C}$ for 3.5 seconds
绝缘电阻	> 1,000M Ω	500V insulation test for 1min.
难燃性	不可有明显火焰	AC voltage of 2,4,6,8,16,32 times the power rating for 1min, (V ≤ 4 times max, working voltage)

料号编号

ACD	05	100R0	J	C1
型号	功率	阻值	精度	温度系数 (PPM/℃)
ACD	01=1W 03=3W 05=5W 07=7W 10=10W	0R1=0.1 Ω 10R=10 Ω 1K=1K Ω	J = $\pm 5\%$ F = $\pm 1\%$ B = $\pm 0.1\%$	C6 = ± 10 C5 = ± 15 C4 = ± 20 C3 = ± 25 C2 = ± 50 C1 = ± 100