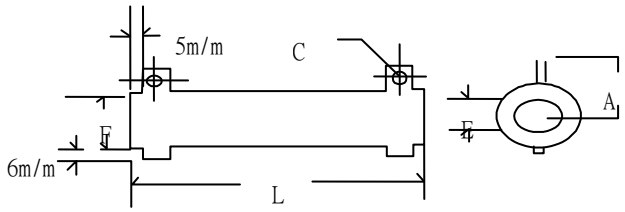
POWER TYPE WIREWOUND RESISTOR
電力型不燃性繞線電阻

FEATURES

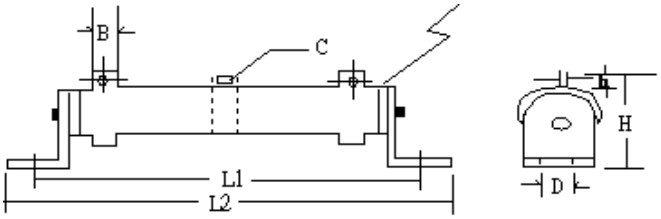
These resistors are made by winding resistance ribbon around a ceramic tube in wave shape. They are extremely good in dissipation of heat, and their small size vs.large current capacity is 1.5 times that of their counterparts, the power types. KNR type is also supplied with nonflame resin coating.

特性

- 電阻器首次使用時,會產生發煙情形屬正常現象。
- 帶狀之電阻帶作成波形繞在瓷管。
- 可供應不燃性塗裝(KNP TYPE),可耐 800℃。
- 散熱性特優,小型適通大電流,可比普通型大 1.5 倍。
- 可製多端子(抽頭式)及可調整型。
- 變通性佳,可應客戶特殊規格需求,接單製造生產。

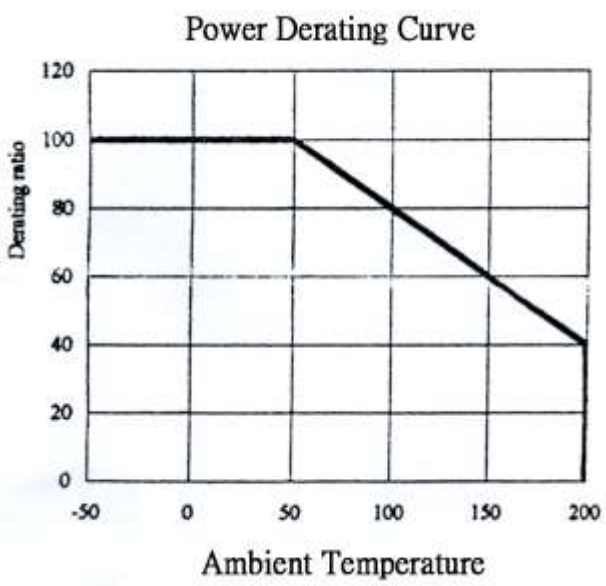


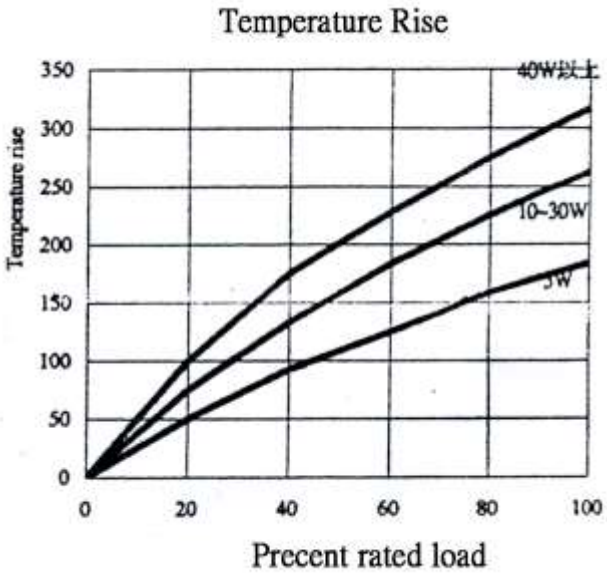
固定式



可調式

POWER RATING	DIMENSIONS (mm)											
	L±2	F±1	E±0.2	A±2	B±0.2	L1±2	C±0.1	h±1	D±0.1	L2±2	H±2	RESISTANCE RANGE(Ω)
10W	45	12	6	15	4		2	9	3			1Ω-5KΩ
20W	60	17	8	20	5	73	2.5	12	3	92	37	1Ω-10KΩ
30W	80	17	8	20	5	93	2.5	12	3	112	37	1Ω-15KΩ
40W	110	17	8	20	5	123	2.5	12	3	142	37	1Ω-20KΩ
50W	110	25	16	30	8	140	4	18	5	164	58	0.1Ω-25KΩ
60W	90	28	18	32	8	120	4	18	5	144	60	0.1Ω-30KΩ
80W	110	28	18	32	8	140	4	18	5	164	60	0.1Ω-40KΩ
100W	140	28	18	32	8	170	4	18	5	194	60	0.1Ω-50KΩ
120W	160	28	18	32	8	190	4	18	5	214	60	0.1Ω-60KΩ
150W	195	28	18	32	8	225	4	18	5	249	60	0.1Ω-75KΩ
160W	185	35	24	36	8	220	4	18	9	254	75	0.1Ω-80KΩ
200W	210	35	24	36	8	245	4	18	9	274	75	0.1Ω-100KΩ
250W	210	40	25	38	10	250	5	22	9	277	77	0.5Ω-125KΩ
300W	260	40	25	38	10	300	5	22	9	327	77	0.5Ω-150KΩ
400W	330	40	25	38	10	370	5	22	9	400	77	0.5Ω-200KΩ
500W	330	50	35	50	15	370	6	22	9	400	105	0.5Ω-250KΩ
600W	400	50	35	50	15	440	6	22	9	470	105	1Ω-300KΩ
800W	460	60	40	60	15	505	6	30	9	535	112	1Ω-400KΩ
1000W	540	60	40	60	15	585	6	30	9	615	112	1Ω-500KΩ
1300W	650	65	42	62	15	690	6	30	9	720	115	1Ω-600KΩ





TESTITEM	TEST METHODS	CHARACTERISTICS
Resistance and resistance tolerance	JIS-C-5202 5-1	Resistance Nominal Tolerance 1Ω≦R 1Ω>R ±5%(J) ±10%(K)
Temperature coefficient	JIS-C-5202 5-2	±200PPM / ℃ MAX
Power rating load	JIS-C-5202 5-4	△ R/R≦(1%+0.05Ω)Surface temperature up 350℃ MAX
Short-term overload	JIS-C-5202 5-5	1000%rated power 5 seconds △ R/R≦ ±(2%+0.05Ω)
Insulation resistance	JIS-C-5202 5-6	100MΩ min DC500V
Dielectric withstanding voltage	JIS-C-5202 5-7	AC3000V 1 mintue

Short-time overload rating

Second load time	1	2	3	4	5	10	30	60	180	300	600	900
Power Increase	2600	2000	1600	1400	1300	1000	600	450	200	150	120	110