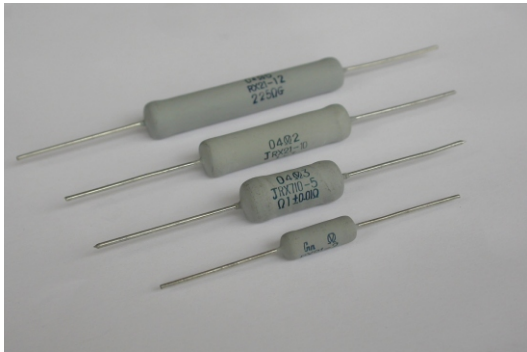




SICHUAN YONGXING ELECTRONICS CO.,LTD

WIRE-WOUND RESISTORS

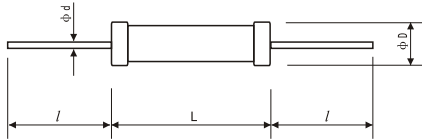
Normal Power Style RX21



INTRODUCTION

These wire-wound resistors have been passed CQC safety certificate. And they are used ceramic core with resistance wire securely crimped to the terminals. And they are coated with layers of gray colours flame proof lacquer respectively.

DIMENSIONS

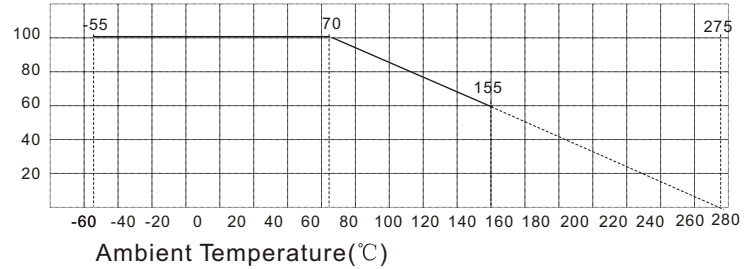


FEATURES

Power Rating	1/2W, 1W, 2W, 3W, 4W, 5W, 6W, 8W, 10W, 12W
Resistance Tolerance	±1%, ±2%, ±5%
T.C.R.	±250ppm/°C, ±500ppm/°C

DERATING CURVE CURVE

Rated Load (%)



Unit:mm

STYLE

DIMENSION

STYLE		L max	φD max	l	φd max
RX21	1/2W	12.5	4.0	25±2	0.65
RX21	1W	14.0	5.0	25±2	0.85
RX21	2W-3W	17.0	6.5	25±2	.085
RX21	4W	25.0	9.5	30±2	1.1
RX21	5W	26.0	9.5	30±2	1.1
RX21	6W	27.0	9.5	30±2	1.1
RX21	8W	33.5	9.5	30±2	1.1
RX21	10W	37.5	9.5	30±2	1.1
RX21	12W	52.3	9.5	30±2	1.1

ELECTRICAL CHARACTERISTICS

STYLE	RX21	RX21	RX21	RX21	RX21	RX21	RX21	RX21	RX21
Power Rating at 70°C	1/2W	1W	2W-3W	4W	5W	6W	8W	10W	10W
Value Range(Ω)	1-510	0.15-3K	0.15-4.3K	0.15-10K	0.15-12K	0.15-15K	0.15-20K	0.15-22K	0.15-33K
Operating Temp. Range	-55°C to +155°C								
T.C.R.	±250ppm/°C, ±500ppm/°C								

ENVIRONMENTAL CHARACTERISTICS

TEST ITEM	TEST METHOD	APPRAISE
Endurance at Room Temperature	1.22UR 1000h	±(5%R+0.1Ω)
Endurance at Upper-Limit Temperature	Duration: 1000h 155°C	±(5%R+0.1Ω)
Occasional Over-Load	Load 5, 10, 16 times of rated power	No visual flame
Solder Ability	235°C ±5°C for 2±0.5Seconds	By Type
Short Time Over-load	3.16VR(or 2Umax) for 5 Seconds	±(1%R+0.05Ω)
Terminal Strength	Tension test 1w-12w:20N 0.5W:10N	±(1%R+0.05Ω)
Resistance to Soldering Heat	350°C ±10°C for 3.5±0.5Sec.	±(1%R+0.05Ω)
Temperature Cycling	-55°C to +155°C for 5 cycles	±(1%R+0.05Ω)
Temperature Category	UR	250°C