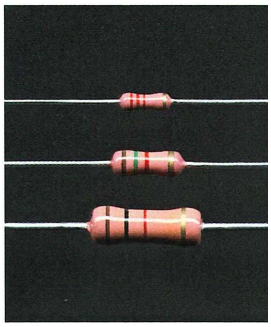
TAKMAN

REX Ⅱ RoHS

CARBON FILM RESISTOR FOR AUDIO EQUIPMENT



❑INTRODUCTION

Our REX Ⅱ carbon film resistor for audio equipment "The Pink" is the result of our pursuit for pure and high quality sound. The basic material is highly pure ceramic, the resistor body is highly pure carbon, the cap is made of brass and the lead wire is made of non-oxygen copper. Non-magnetic materials were severely chosen. For the external coat, paint that prevents any adverse effect by vibration is chosen. Spiral trimming to adjust resistance value is made as short as possible in consideration of the influence on the inductance. The second-generation REX Ⅱ is crafted using carefully selected, higher-grade primary agents to achieve even greater sound quality.

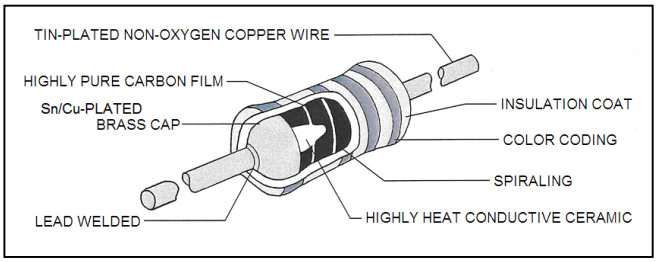
❑FEATURES

- ○ Low distortion, high quality sound
- ○ Non-magnetic materials used
- ○ Brass caps and non-oxygen copper wire used

❑APPLICATIONS

- ○ Audio equipment
- ○ Audio-related components

❑CONSTRUCTION



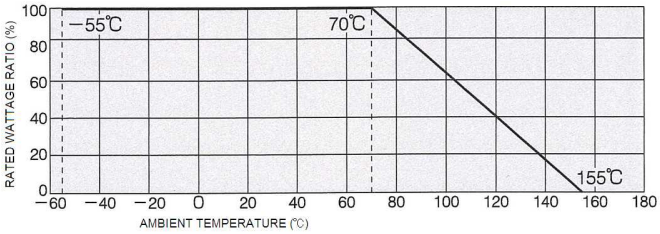
❑CHARACTERISTICS

Test Items		Specified Values
Short time overload		±(1%+0.05Ω)
Dielectric withstand voltage		±(0.5%+0.05Ω)
Insulation resistance		Over 1000MΩ
Terminal strength		±(0.25%+0.05Ω)
Moisture load life		R≦100KΩ:±3% R＞100KΩ:±5%
Load life at 70°C		R≦100KΩ:±3% R＞100KΩ:±5%
Temperature cycling		±(1%+0.05Ω)
Effect of soldering		±(1%+0.05Ω)
Vibration resistance		±(1%+0.05Ω)
Solderability		Over 95%
Resistance to solvent		No evidence of mechanical damage
Temp. coefficient	R≦100KΩ	Max -450ppm/°C
	R＞100KΩ	Max -700ppm/°C

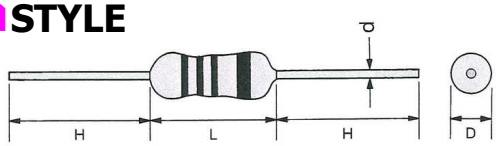
TAKMAN
拓万

The corporate name of TAKMAN is created from a combination of two different Japanese Kanji characters "拓" (pioneer, expand) and "万" (myriads, everything) with our strong determination to develop out-standing technology at any cost.

❑DERATING CURVE



❑STYLE



External coating color: Pink

❑DIMENSIONS & RATINGS

Type	Dimensions (mm)				Power Rating	Max. Working Voltage	Max. Overload Voltage	Dielectric Withstand Voltage	Resistance Tolerance	Resistance Range (Ω)	Standard Resistance
	L	D	d	H±3							
REX Ⅱ 25	6.3±0.5	2.3±0.5	0.6	30	1/4W	250V	500V	350V	2%(G) 5%(J)	2.2~1M	E-24
REX Ⅱ 50	9.0±0.5	3.5±0.5	0.7	30	1/2W	350V	700V	500V	2%(G) 5%(J)	2.2~1M	
REX Ⅱ 75	14±1	5.0±0.7	1.0	38	1W	500V	1000V	600V	2%(G) 5%(J)	2.2~1M	

❑TYPE DESIGNATION

REX Ⅱ	25	J	5.1KΩ	T
Carbon Film Resistor for Audio Equipment	Rated Power	Resistance Tolerance	Nominal Resistance	Packaging B: Bulk T: Taped

Remarks: Specifications are subject to change without notice. Parts colors may vary a little due to printing.

REV. 3