

High Sound Quality Film Resistors

Series: **ERDAS**

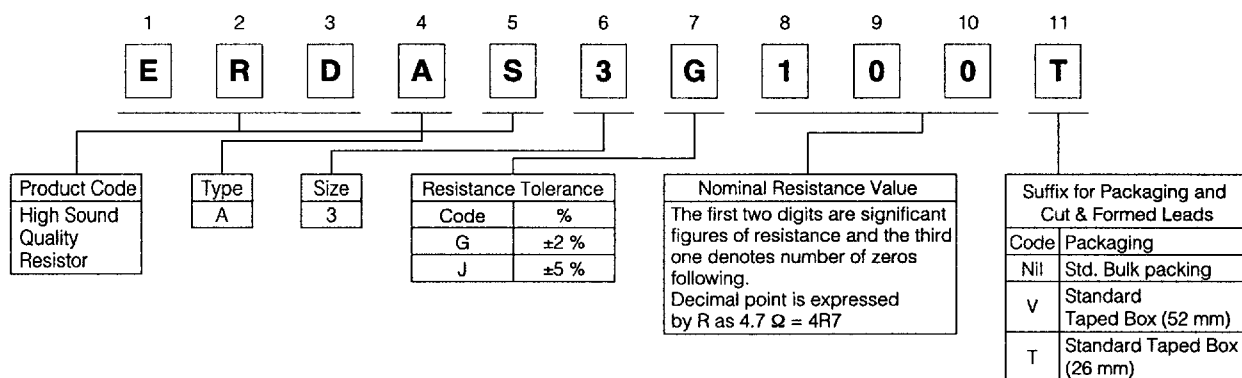
■ Features

- High Quality
Delicate and clear sound to be realized by selected materials and improved process for audio sound.
- Automatic Insertion Process
Because of smaller size than the conventional type, automatic insertion process will be realized and economized through easier designing of PCB layout and standardization of stock.
- Approved under the ISO-9001 system

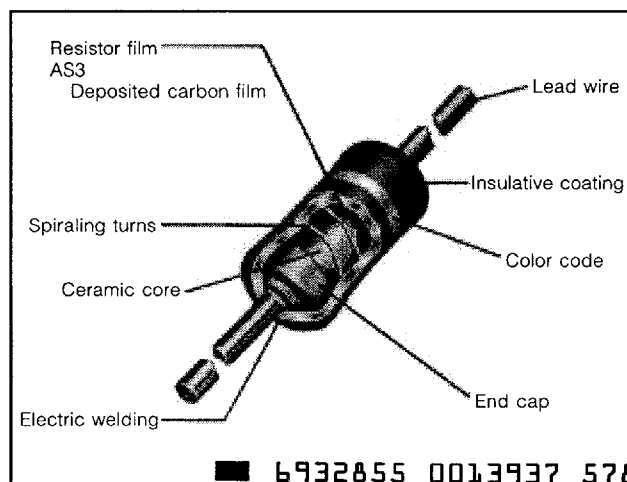
■ Recommended Applications

- Audio-visual equipment
- Visual equipment

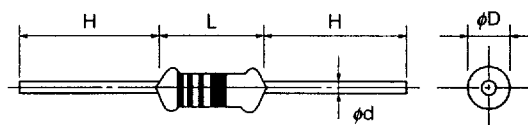
■ Explanation of Part Numbers



■ Construction



■ Dimensions in mm (not to scale)



Part No.	L	φD	H	φd
ERDAS3	3.2±0.2	1.7 ^{+0.2} _{-0.1}	20 min.	(Typical) 0.45

■ Ratings

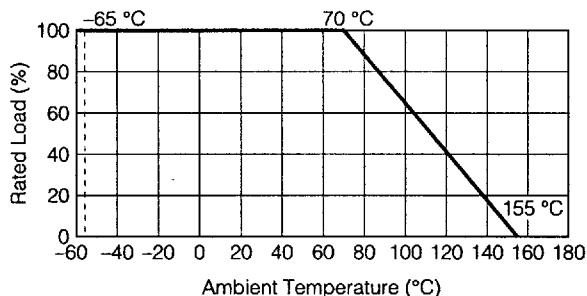
Part No.	Power Rating at 70 °C (W)	Maximum RCWV*	Maximum Overload Voltage**	Dielectric Withstanding Voltage	Resistance Tolerance (%)	Resistance Range (Ω)		Standard Resistance Value
						min.	max.	
ERDAS3	0.25 (1/4 W)	250 V	500 V	300 V	G (±2) J (±5)	10 1.0	220 K 1.0 M	E-24

* Rated Continuous Working Voltage (RCWV) shall be determined from $RCWV = \sqrt{\text{Power Rating} \times \text{Resistance Value}}$, or maximum RCWV listed above, whichever less.

** Short-time Overload Test Voltage shall be determined from $SOTV = 2.5 \times \text{Power Rating}$ or max. Overload Voltage listed above whichever less.

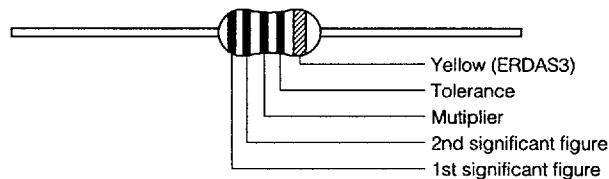
Power derating curve

For resistors operated in ambient temperatures above 70 °C, power rating shall be derated in accordance with the figure below.



■ Color Coding

Series ERDAS



■ Performance Specifications

Characteristics	Specifications		Test Methods (JIS-C-5202)
	ERDAS3		
T.C.R.	Less than 4.7 Ω	±350 ppm/°C	Resistance value at room temperature and room temperature +100 °C.
	4.7 Ω to 56 kΩ	−300 ppm/°C	
	56 kΩ to 220 kΩ	−500 ppm/°C	
	220 kΩ to 560 kΩ	−700 ppm/°C	
	560 kΩ to 1.0 MΩ	−1000 ppm/°C	

⚠ Cautions for Safety

Refer common precautions (ER3 page) and individual cautions (ER46 page).