

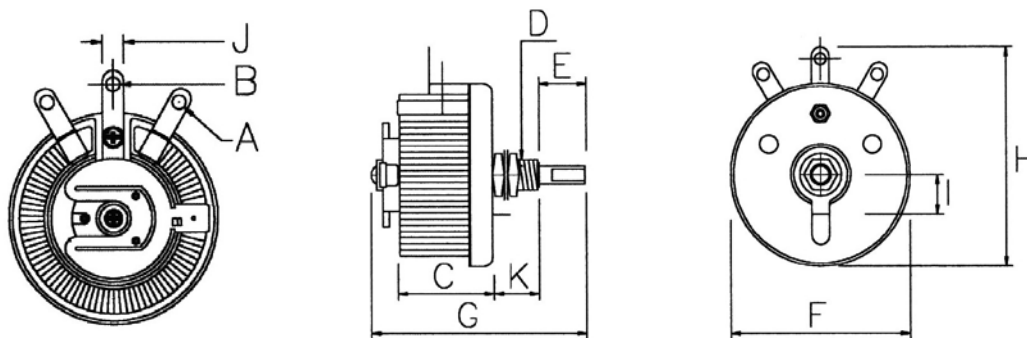
YESO Variable Wire-Wound Power Resistors



VR Resistor Series

A C-shaped ceramic resistor is wound with copper or chromium-alloy wire as a resistance element. Except for the slide contact surface, the entire component is coated with a high-temperature, non-flammable resin. After cooling and drying, insulation is applied through a high-temperature process. Then, a centered rotating adjuster component is installed, which slides along the resistance element and varies the resistance to the desired value. The scope of the application includes educational modeling, load simulations, industrial machinery RPM adjustment, voltage and current adjustment, instruments, and automated control installations. For custom specifications, please contact us to discuss the details.

FVR TYPE 25W-100W



POWER RATING	DIMENSIONS 寸法 (m/m)											RESISTANCE RANGE (Ω)	
	A	B	C	D	E	F	G	H	I	J	K		Weight
25W	2.5	3.2	22	3/8"	6 × 12	42	50	50	11	5	10	74/g	5 Ω - 2K Ω
50W	4.2	4.2	28	3/8"	6 × 12	64	60	70	11	8	14	160/g	7 Ω - 3.5K Ω
100W	4.2	4.2	42	3/8"	6 × 12	85	75	90	11	8	14	372/g	10 Ω - 5K Ω

PERFORMANCE SPECIFICATIONS

項目 TEST ITEM	試驗方法 TEST METHODS	性能 CHARACTERISTICS	Remark
電阻值容許誤差 Resistance tolerance	JIS-C-5261 5-1	Resistance tolerance $\pm 10\%$	
絕緣抵抗 Insulation resistance	JIS-C-5261 6-1 500VDC	100M Ω min	
耐電壓 Dielectric withstanding voltage	JIS-C-5261 7-1 1000VDC 1 minute Between terminal and axis	Free of appearance or structural irregularity	
端子強度 Terminal strength	JIS-C-5261 6-5 3kg 30 seconds	Free of appearance or structural irregularity Δ R/R $\leq \pm (2\% + 0.1\Omega)$	ETC
耐振性 Vibration	JIS-C-5261 6-6 1.5m/m 10 ~ 50 ~10 Hz/min X-Y-Z 2hours each	Free of appearance or structural irregularity Δ R/R $\leq \pm (2\% + 0.1\Omega)$	ETC
耐久性 Load life	JIS-C-5261 7-7	Free of appearance or structural irregularity Δ R/R $\leq \pm (5\% + 0.1\Omega)$	
全迴轉角度 Full gyration angle	JIS-C-5261 6-1	300 $\pm 5^\circ\text{C}$	ETC
難燃性 Flame retardation	100% ~ 600% rated power load	US UL-94 flame retardation test V-0 grade noncombustible	
備註 Remarks	1. Items noted with ETC were tested by Taiwan Electronic Testing Center as shown in report No. ET89T-03-086-C00. 2. Resistance and resistance tolerance were tested in-house with micro resistance meter. 3. Resistor coating refers to UL-certified data provided by supplier.		

HOW TO ORDER

Product type.	Rated power.	Resistance value. (Ω)	Resistance tolerance.
FVR type	25W~100W	(Ω)Indicates resistance value in units of ohms.	K = $\pm 10\%$