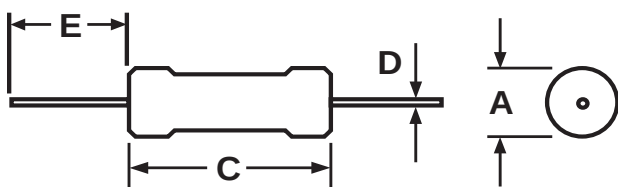


ALVR ALSR

AXIAL LEAD WIREWOUND RESISTORS

H.E.I. Axial Lead Resistors are constructed with steatite ceramic cores or alumina, terminated with welded cap and lead assemblies and wound with the finest alloy resistance wires welded to the cap and lead assemblies. Our special formula of vitreous enamel (**ALVR**) or silicone (**ALSR**) coatings are then used to insulate the resistors. This construction insures long life, durability, and reliability.



TYPE	WATT	A $\pm .032$ (0.8)	C $\pm .032$ (0.8)	D Typ.	E Typ.
ALVR-1	1	.125 (3.2)	.437 (11.1)	.020 (0.5)	1.5 (38)
ALSR-1	1	.110 (2.8)	.385 (9.8)	.020 (0.5)	1.5 (38)
ALVR-3	3	.218 (5.5)	.563 (14.3)	.032 (0.8)	1.5 (38)
ALSR-3	3	.200 (5.1)	.530 (13.5)	.032 (0.8)	1.5 (38)
ALVR-5A	5	.218 (5.5)	1.031 (26.2)	.032 (0.8)	1.5 (38)
ALSR-5A	5	.200 (5.1)	.937 (23.8)	.032 (0.8)	1.5 (38)
ALVR-5	5/7	.343 (8.7)	1.031 (26.2)	.032 (0.8)	1.5 (38)
ALSR-5	5/7	.312 (7.9)	.937 (23.8)	.032 (0.8)	1.5 (38)
ALVR-10	10	.343 (8.7)	1.843 (46.8)	.032 (0.8)	1.5 (38)
ALSR-10	10	.312 (7.9)	1.800 (45.7)	.032 (0.8)	1.5 (38)

ALVR - VITREOUS ALSR - SILICONE

ORDER INFORMATION

ALVRJ - 10 - 100 - NI			
TYPE	POWER	RESISTANCE	ADD FOR
V=VITREOUS S=SILICONE	INCLUDE FOR TOLERANCE	VALUE	NON-INDUCTIVE

OPTIONAL FEATURES AVAILABLE

RESISTANCE TOLERANCE: Standard tolerance is $\pm 5\%$ (J) for 1 Ohm, and greater and $\pm 10\%$ (K) for less than 1 ohm. Available Tolerances: F = $\pm 1\%$, J = $\pm 5\%$, K = $\pm 10\%$

NON-INDUCTIVE: Ayrton-Perry type non-inductive winding is available. When required add "NI" to the part number.

LEADS: Hot tin-dipped leads with dimensions as shown in the above chart are standard. However, special lead lengths and diameters are available. For further information please contact our sales office.

1 WATT THRU 10 WATT



H.E.I. Axial lead resistors are especially suited for printed circuitry applications and wherever miniaturization is required.

ENVIRONMENTAL SPECIFICATIONS

TEST	MIL-R-26
Load Life	$\pm (3\% + .05\Omega) > \Delta R$
Moisture Resistance	$\pm (2\% + .05\Omega) > \Delta R$
Temp. Coefficient	± 90 PPM/ $^{\circ}$ C below 1 Ω ± 50 PPM/ $^{\circ}$ C 1W to 9.9 Ω ± 30 PPM/ $^{\circ}$ C 10W and above
Thermal Shock	$\pm (2\% + .05\Omega) > R$
Short Time Overload	$\pm (2\% + .05\Omega) > R$
Dielectric	$\pm (.1\% + .05\Omega) > R$
Low Temp. Storage	$\pm (2\% + .05\Omega) > R$
High Temp. Storage	$\pm (2\% + .05\Omega) > R$
Shock	$\pm (.2\% + .05\Omega) > R$
Vibration	$\pm (.2\% + .05\Omega) > R$
Terminal Strength	$\pm (1\% + .05\Omega) > R$

Mechanical Terminal Strength: 10 lb. pull Test

RESISTANCE VALUE CHART

.10	.75	10	30	68	125	300	600	1.1K	3.0K	6.8K
.13	1.0	12	33	75	150	330	680	1.2K	3.5K	7.5K
.15	1.5	15	35	82	180	350	700	1.5K	3.9K	8.0K
.20	2.0	18	39	100	200	390	750	1.8K	4.0K	8.2K
.25	3.0	20	40	120	220	400	800	2.0K	4.7K	10.0K
.30	4.0	22	47	125	225	470	820	2.2K	5.0K	12.5K
.33	5.0	25	50	150	250	500	900	2.5K	5.6K	15.0K
.50	7.5	27	56	180	270	560	1.0K	2.7K	6.0K	20.0K

WATTAGE DERATING CHART FOR HIGHER AMBIENT TEMPERATURES

