

## HOR HIGH OHMIC VALUE THICK FILM RESISTORS



These are thick film, low cost, axial lead, color coded resistors which exhibit a high overload rating. Complete environmental protection is ensured with an epoxy coating.

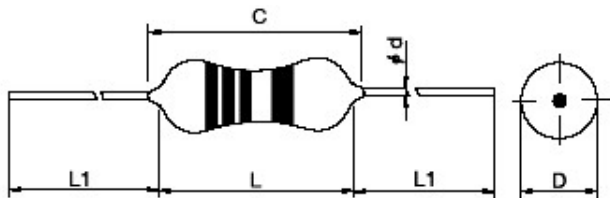
### GENERAL SPECIFICATIONS

Model	Power Rating [W]	Max. Working Voltage [V]	Max. Overload Voltage [V]	Resistance Range [? ]	
				C(±0.25%) F(±1%) G(±2%)	K(±10%) J(±5%)
HOR 14	0.25	500	700	100k -100M	101M-1G
HOR 12	0.5	700	1000		
HOR 10	1	1000	1500		
HOR 20	2	1200	1500		

### CHARACTERISTICS

Tolerance [%]	±0.25(C), ±0.5(D), ±1.0(F), ±2.0(G), ±5.0(J)
Temperature Range	-55C - 155C
Temperature Coefficient	±100 – 200 ppm/C, Room temperature, change in R taken at 100C
Short Time Overload	± 1%, Smallest of 2.5 X Rated Voltage or Max. Overload Voltage for 5sec.
Moisture Resistance	± 5%, 40C±2C, 90%-95%RH 1000h. 1.5h ON / 0.5h OFF cycle
Thermal Shock	± 1%, -55C(30min.) / 155C(30min.), 5 cycles
Load Life	± 5%, 70C±2C 1000h. 1.5h ON / 0.5h OFF cycle
Insulation Resistance	10,000 M? minimum, DC 100V, 1min.
Resistance to soldering heat	± 1%, 260C±5C, 10s±1s or 350C±10C, 3.5s±0.5s
Dielectric withstanding voltage	No evidence of damage, Max. working voltage / min.

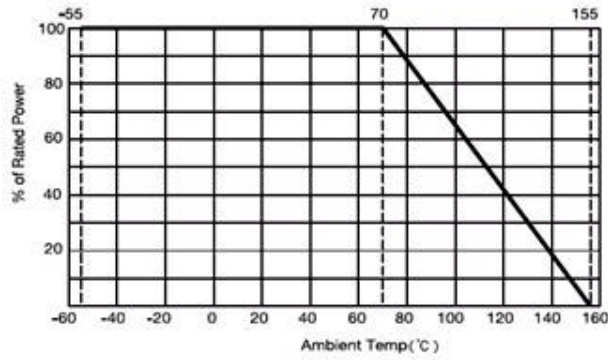
### DIMENSIONS



Model	Dimension [mm]				
	L	C maximum	D	Diameter d	l ±3
HOR 14	6.3 ±0.5	7.1	2.3 ±0.3	0.6	30
HOR 12	9.5 ±1.0	11.1	3.5 ±0.4	0.7	
HOR 10	12±1.0	14.0	4.0 ±0.5	0.8	
HOR 20	16±1.0	18.0	4.5 ±0.5	0.8	



### DERATING CURVE



### ORDERING PROCEDURE EXAMPLE

