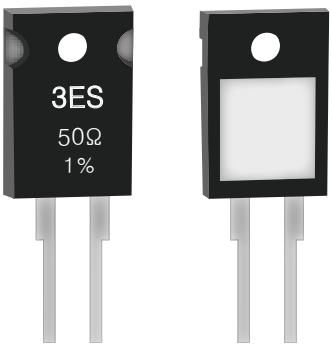
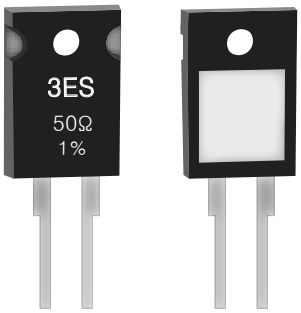


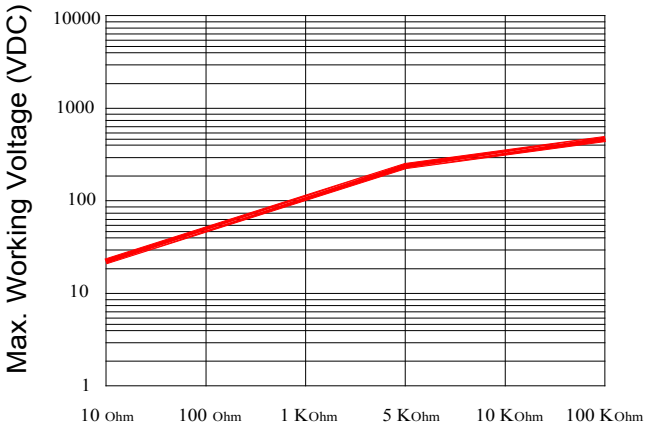
Resistance from 0.05Ohm
to 5MOhms
Power Rating to 50
Resistance Tolerance to ±1%
TCR to ±50ppm/K
TO-220 Housing

SPECIFICATION

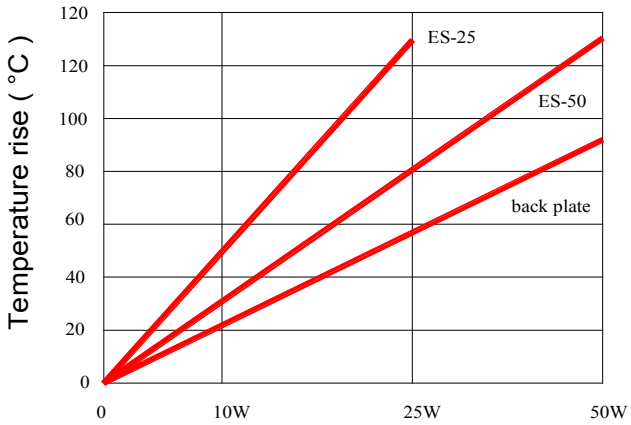
Type		ES-25	ES-50
Substrate		Al_2O_3	ALN
Resistance range		0.05Ohm to 5MOhms	0.05Ohm to 100Ohms
Tolerance	from 0.05 Ohms from 0.1 Ohms	2% / 5% / 10% 1% / 2% / 5% / 10%	
Stability		1%	
Temperature Coefficient		±100 ppm/K(Typycal 50ppm/K)	
Power rating with heatsink		25 W	50 W
Thermal Resistance Rthj-c		5℃/W	2.5℃/W
Inductivity		< 10nH	
Capacity		< 35 pF	
Operating Temperature Range		- 55 to 155 °C	
Resistance Material		Thick Film	
Housing		Epoxy or Plastic	
Connector Material		Cu Gold plated	
Voltage proof		250V(< 5KΩ),500V(> 5KΩ)	



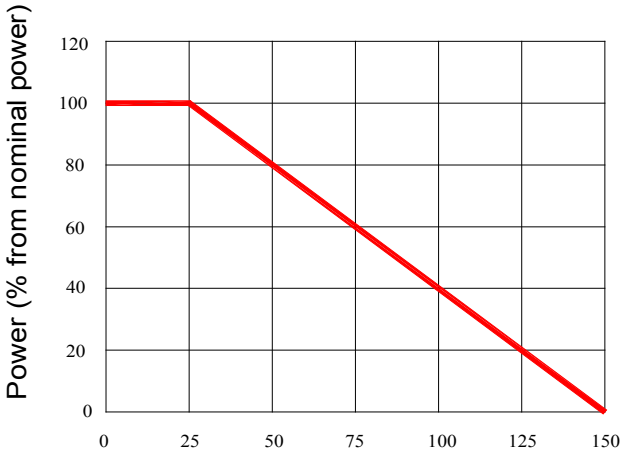
Max. Working Voltage
depending on resistance value



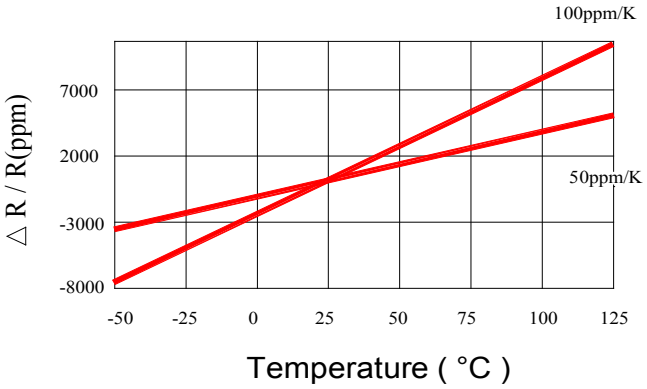
Temperature Rise

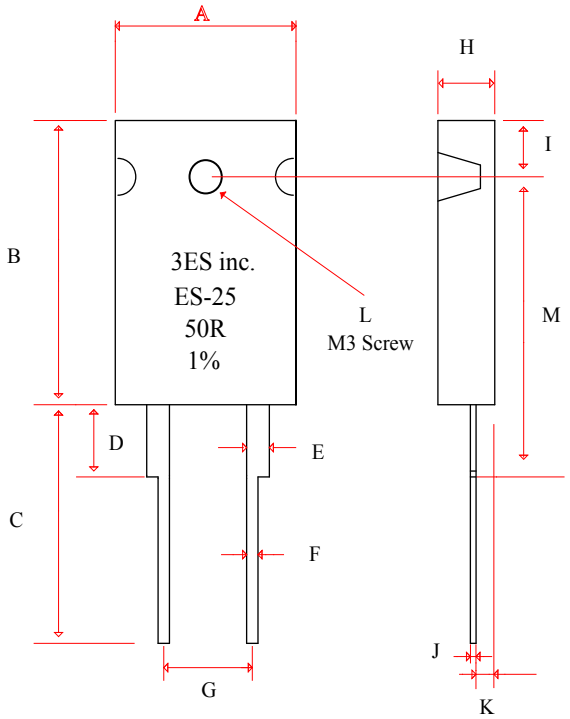


Power Derating Curve

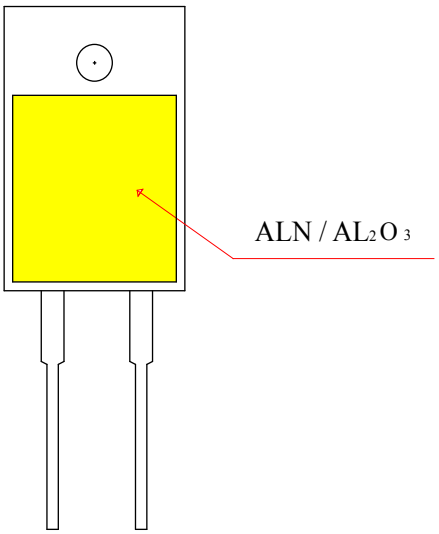


Temperature Coefficient

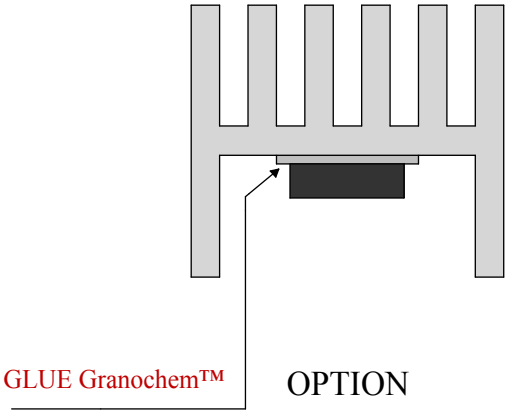




Dimension	mm ± tol	inches ± tol
A	10.6 MAX	0.413±0.010
B	15.95± 0.25	.627 ± 0.010
C	12.70± 1.27	.500± 0.050
D	3.30 ± 0.76	0.130±0.030
E	1.68 ± 0.18	0.066±0.007
F	0.76 ± 0.10	0.030 ± 0.004
G	5.08 ± 0.26	0.200 ±0.010
H	4.0 ± 0.26	0.125±0.010
I	2.87 ± 0.26	0.125±0.010
J	0.64 ± 0.10	0.025±0.004
K	1.78 ± 0.26	0.70 ± 0.010
L	3.18 DIA	0.125 DIA
M	16.38	



BACK



OPTION