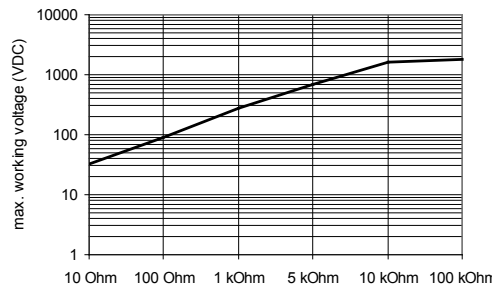


**FEATURES**

- Resistances from 0.05Ohm to 100kOhms
- Power Rating to 100Watt
- Resistance Tolerances to  $\pm 1\%$
- TCR to  $\pm 100\text{ppm/K}$
- Load Stability to 1%
- TO-218 (TO-247) Housing



**RoHS\***  
COMPLIANT

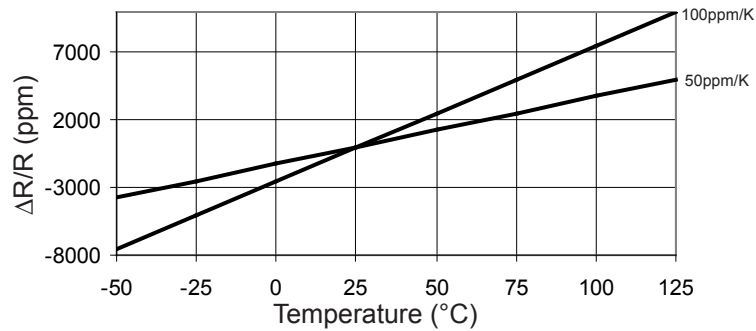
<b>TABLE 1 – SPECIFICATIONS</b>			
<b>TYPE</b>		<b>KPR 2-T218</b>	<b>KHR 2-T218</b>
<b>Resistance Range</b>		0.050 Ohms to 100 kOhms	
<b>Power Rating</b>	<b>Free air 70°C</b>	2W	2W
	<b>With heatsink</b>	50W	100W
<b>Tolerances</b>		5% 2% / 5% 1% / 2% / 5%	
<b>Thermal Resistance</b>		2.1 K/W	0.8 K/W
<b>Stability (1000h)</b>		1%	
<b>Temperature Coefficient</b> 0.05 to 0.099 Ohms 0.1 to 100 kOhms		$\pm 300\text{ ppm/K}$ $\pm 100\text{ ppm/K}$ upon request $\pm 50\text{ ppm/K}$	
<b>Voltage Proof</b>		2.5 kVDC	1.5 kVDC
<b>Maximum Voltage</b> depending on resistance value			
<b>Operating Temperature Range</b>		-55 to 155°C	
<b>Resistor Material</b>		Thick Film	
<b>Substrate</b>		Al <sub>2</sub> O <sub>3</sub> / upon request: AlN	
<b>Housing</b>		PPS	
<b>Connector Material</b>		Cu / tinned	
<b>Terminals</b>		2	
<b>Max. Torque</b>		1 Nm	

**ORDERING INFORMATION**

**Part Number - Resistance - Contact - Tolerance**

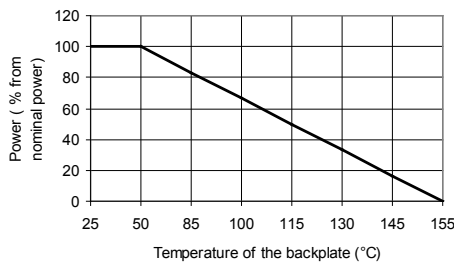
KHR 2-T218 15K000 A 5%

### FIGURE 1 – TEMPERATURE COEFFICIENT

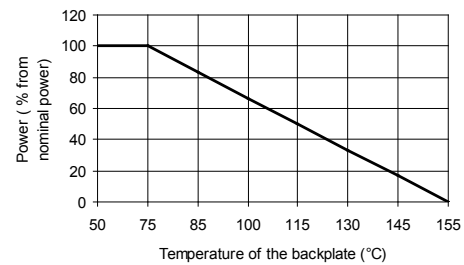


### FIGURE 2 – DERATING

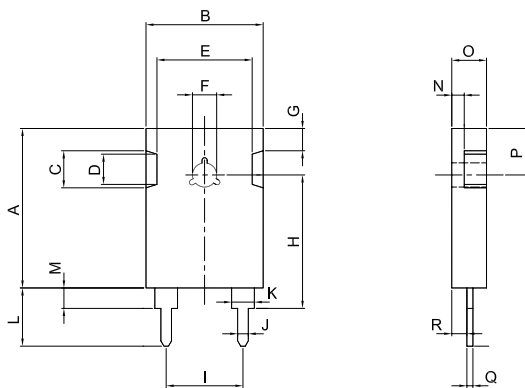
#### KPR 2-T218



#### KHR 2-T218



### FIGURE 3 – DIMENSIONS in mm (inches)



Dimension	A-contact	B-contact	C-contact
A ±0.2 (±0.008)	21.10 (0.83)		
B ±0.2 (±0.008)	15.50 (0.61)		
C ±0.1 (±0.004)	4.90 (0.19)		
D ±0.1 (±0.004)	4.00 (0.16)		
E ±0.2 (±0.008)	12.60 (0.50)		
F ±0.1 (±0.004)	Ø3.2 (Ø0.13)		
G ±0.1 (±0.004)	2.95 (0.12)		
H ±0.2 (±0.008)	17.65 (0.69)	16.85 (0.66)	17.75 (0.70)
I ±0.2 (±0.008)	10.16 (0.40)		
J ±0.1 (±0.004)	1.40 (0.06)		
K ±0.1 (±0.004)	3.00 (0.12)		
L ±0.2 (±0.008)	7.70 (0.30)	5.00 (0.20)	14.50 (0.57)
M ±0.1 (±0.004)	2.70 (0.11)	1.90 (0.07)	2.80 (0.11)
N ±0.1 (±0.004)	1.65 (0.06)		
O ±0.1 (±0.004)	4.60 (0.18)		
P ±0.2 (±0.008)	6.15 (0.24)		
Q ±0.1 (±0.004)	0.80 (0.03)		
R ±0.1 (±0.004)	2.00 (0.08)		



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