## FEATURES

- Resistances from 0.010hm to 1000hms
- Power Rating to 40Watt
- Resistance Tolerances to  $\pm 0.5\%$
- TCR to ±50ppm/K
- Very Low Inductance
- Stability to 0.1%



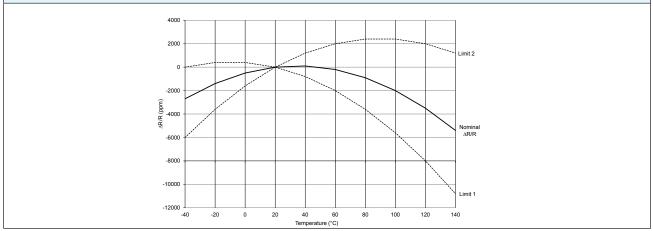


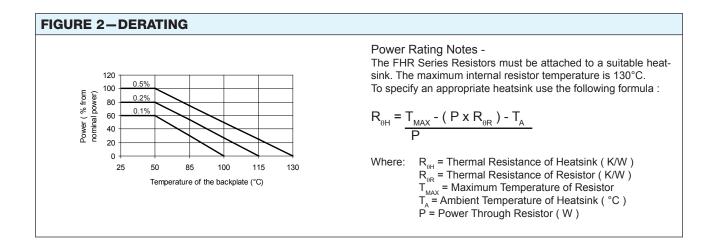
TABLE 1-SPECIFICATIONS				
ТҮРЕ		FHR 2-3025 FHR 2-3818		
Resistance Range		0.010 to 1000hms		
Power Rating	Free air 70°C	3W		
	With heatsink	40W		
Tolerances from 0R01 from 0R02		0.5% / 1% / 2% / 5% 0.25% / 0.5% / 1% / 2% / 5%		
Thermal Resistance		2.0 K/W		
Stability (1000h)		0.1% / 0.2% / 0.5% (depends on stress)		
Temperature Coefficient		±50ppm/K (20 to 60°C) other specifications upon request		
Voltage Proof		500 VDC		
Maximum Current		150 A		
Thermal EMF		<0.1 µV/K		
Operating Temperature Range		-40°C to 130°C		
Resistor Material		CuNiMn-Foil		
Housing		Ероху		
Substrate		Anodized aluminium		
Connector Material		Cu / tinned		
Terminals		2		
Max. torque		1 Nm		

ORDERING INFORMATION		
Part Number - Resistance - Contact - Tolerance		
FHR 2-3818 0R050 A 1%		



#### FIGURE 1-TEMPERATURE COEFFICIENT

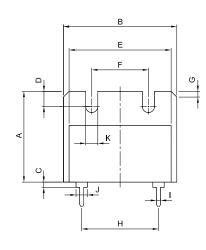


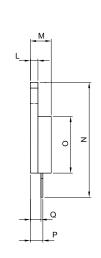




# FIGURE 3-DIMENSIONS in mm (inches)

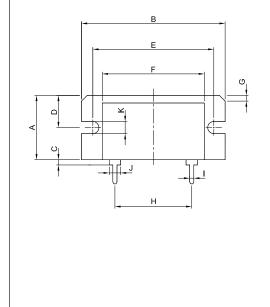
### FHR 2-3025

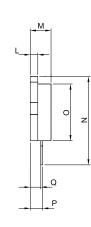




Dimension	A-Contact	K-Contact
<b>A</b> ±0.2 (±0.008)	24.00 (0.94)	
<b>B</b> ±0.2 (±0.008)	30.00 (1.18)	
<b>C</b> ±0.4 (±0.016)	1.40 (0.06)	
<b>D</b> ±0.1 (±0.004)	4.00 (0.16)	
<b>E</b> ±0.2 (±0.008)	27.00 (1.06)	
<b>F</b> ±0.2 (±0.008)	15.00 (0.59)	
<b>G</b> ±0.1 (±0.004)	1.5x45° (0.06x45°)	
H ±0.2 (±0.008)	20.32 (0.80)	
I ±0.1 (±0.004)	1.50 (0.06)	1.10 (0.04)
<b>J</b> ±0.1 (±0.004)	1.10 (0.04)	
<b>K</b> ±0.1 (±0.004)	3.20 (0.13)	
<b>L</b> ±0.1 (±0.004)	2.00 (0.08)	
<b>M</b> ±0.2 (±0.008)	max.5.5 (0.22)	
<b>N</b> ±0.4 (±0.016)	30.40 (1.20)	
<b>O</b> ±0.2 (±0.008)	15.00 (0.59)	
<b>P</b> ±0.1 (±0.004)	3.60 (0.14)	3.30 (0.13)
<b>Q</b> ±0.2 (±0.008)	2.80 (0.11)	

#### FHR 2-3818





A-Contact	K-Contact
17.00 (0.67)	
38.00 (1.50)	
1.40 (0.06)	
8.50 (0.33)	
32.00 (1.26)	
27.00 (1.06)	
1.5x45° (0.06x45°)	
20.32 (0.80)	
1.50 (0.06)	1.10 (0.04)
1.10 (0.04)	
3.20 (0.13)	
2.00 (0.08)	
max.5.5 (0.22)	
23.40 (0.92)	
15.00 (0.59)	
3.60 (0.14)	3.30 (0.13)
2.80 (0.11)	
	17.00 38.00 1.40 ( 8.50 ( 32.00 27.00 1.5x45° ( 20.32 1.50 (0.06) 1.10 ( 3.20 ( 2.00 ( max.5. 23.40 15.00 3.60 (0.14)



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