AP725 20W TO-263 Power Resistor FIRCUL

- Power Dissipation 20 watts with h/s 2.25 watts no h/s
- Value Range R02 130K
- D²PAK housing
- Tolerance Options ±1% or ±5%
- TCR Options ±100 ppm/°C
- Maximum Voltage √(P*R)
- Dielectric Strength 2 kVac
- RoHS Compliant



Characteristics

Tolerance (Code): \pm 1% (F), \pm 5% (J)

Value range: R02 to 130K (with standard resistance values)

20W at 25°C case temperature Power rating:

Temperature coefficient: ±100ppm/°C Thermal resistance: 6.5°C/W

0.1µH maximum Inductance:

Operating voltage: √P*R with a maximum of 250V

Dielectric strength: 2kVac Insulation resistance: $10G\Omega$

Operating temperature: -55°C to 155°C

Electrical Specifications

Parameter	Specification
Short term overload (2x Pr for R < 2Ω , 1.6 x Pr for R $\geq 2\Omega$, V < 1.5x operating voltage)	ΔR ±0.25%
Load life (1000 hours at rated power)	ΔR ±1.0%
Thermal shock (-55°C to 155°C, 5 cycles)	ΔR ±0.5%
Resistance to soldering heat (10 sec at 270°C)	ΔR ±0.5%
Vibration (20 G 10 - 2000Hz .06" D.A)	ΔR ±0.25%
Moisture sensitivity level	1

Ordering Procedure

Standard Resistor: Series, Resistance Value, Tolerance,

Packaging (T&R or Tubes) e.g.: AP725 8R2 J T&R

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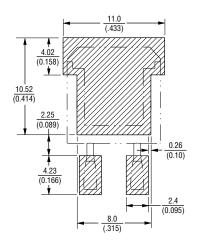
It is the responsibility of the customer to ensure that the component selected from our range is suitable for the intended application. If in doubt please ask Arcol.

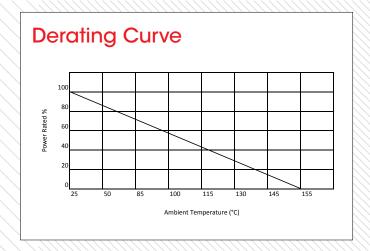
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AP725 20W TO-263 Power Resistor GREGE

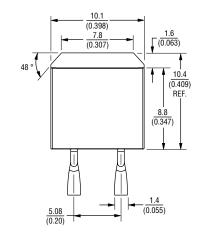


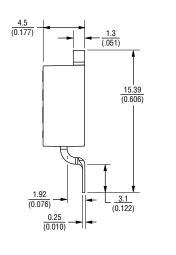
Recommended pad layout





Dimensions (mm/inches)





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