AP101 100W TO-247 High Power Resistors FRCOL

- 100 watts at 25°C case temperature heat sink mounted
- TO-247 style power package
- Single screw mounting to heat sink
- Moulded case for protection
- Electrically isolated case
- Non-Inductive design
- RoHS Compliant

Characteristics

± 1% (F), ± 5% (J), ± 10% (K)
-65°C to +175°C
\pm 50ppm/°C to \pm 300ppm/°C (re to ohmic values), referenced to 25°C, Δ R taken at +105°C
700V max
1800Vac 60 seconds, $\Delta R\pm 0.15\%$
10G min
0.9 Nm
25°C, rated at 3.5W
$\Delta R \pm 1.0\%$, Rated power, 2,000 hours
90% min. coverage, 245±5°C for 3 seconds
$\Delta R\pm0.5\%$,1.5 times rated power and V (dc) \leq 1.5VMax. for 5 seconds
ΔR±0.5%, -10°C - +65°C, RH>90%, cycle 240 hours
ΔR±0.5%, -65°C - 150°C, 100 cycles
$\Delta R\pm0.2\%$, (Pull Test) 2.4N
$\Delta R \pm 0.4\%$, 20g peak

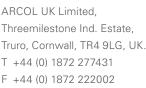
Ordering Procedure

<u>Standard Resistor:</u> Series, Resistance Value, Tolerance Code, TCR eg: AP101 10K J 50ppm

eg. AFTUT TUK 5 Supplit

Electrical Specifications

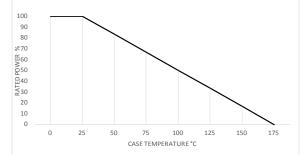
Value Range	Tolerance Pref. Value Range	TCR (ppm/°C)
R05 - 1R	± 1% (F)	Not specified
> 1R - 3R	E12, E24, E96	± 300ppm/°C
> 3R - 10R	± 5% (J)	± 100ppm/°C, ± 200ppm/°C
> 10R - 100K	E12, E24 ± 10% (K) E12	± 50ppm/°C, ± 100ppm/°C, ± 200ppm/°C



E sales@arcolresistors.com

www.arcolresistors.com

Derating Curve



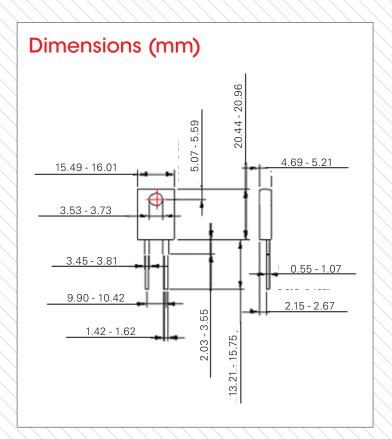
The case temperature is to be used for the definition of the applied power limit The case temperature measurement must be made with a thermocouple contacting the centre of the component mounted on the designed heat sink Thermal grease should be applied properly

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

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.



AP101 100W TO-247 High Power Resistors ARCOL



ARCOL UK Limited, Threemilestone Ind. Estate, Truro, Cornwall, TR4 9LG, UK. T +44 (0) 1872 277431 F +44 (0) 1872 222002 E sales@arcolresistors.com

www.arcolresistors.com

The information contained herein does not form part of a contract and is subject to change without notice. Arcol operate a policy of continual product development, therefore, specifications may change.

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.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Thick Film Resistors - Through Hole category:

Click to view products by Ohmite manufacturer:

Other Similar products are found below :

 M8340104K3300GCD03
 M8340104M4701GCD03
 M8340105K3300GGD03
 M8340105K3922FGD03
 M8340106K1002JCD03

 M8340107K1002GGD03
 M8340107K1152FGD03
 M8340107K2401GCD03
 M8340107K2701GCD03
 M8340109K1002JCD03

 M8340108K1000GCD03
 M8340108K5601GCD03
 M8340108M2203GCD03
 M8340109K1002JCD03
 M8340109K1003GCD03

 M8340109K5101GGD03
 FHV05010M0FKRB
 MP850-3.00-1%
 ARC3.11 2M J A
 M8340105K1001GCD03
 M8340105K1003GCD03

 M8340105K3002GGD03
 M8340105M1002JGD03
 M8340105M2201GCD03
 M8340107K2001GGD03
 M8340107K4701GGD03

 M8340107M7501GCD03
 M8340108K1002FGD03
 M8340108K2051FCD03
 M8340109K202GGD03
 M8340109K5601GCD03

 M8340108M2002GCD03
 M8340102FGD03
 M8340107K2001GCD03
 M8340109K202GGD03
 M8340109K5601GCD03

 JANSG2N7500U5
 M8340102FCD03
 M8340107K2001GCD03
 M8340102K4701GAD04
 M8340102K1002GBD04
 M8340102K1002GAD04

 M8340102M4701GBD04
 M8340102M1002JBD04
 M8340102K4701GAD04
 M8340102K1002GBD04
 M8340102K1002GAD04

 M8340109K2002GGD03
 M8340102K1002GGD03
 M8340102K4701GAD04
 M8340102K1002GBD04
 M8340102K1002GAD04