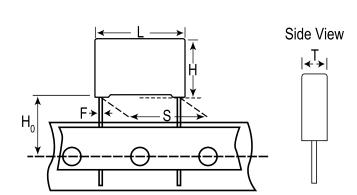


## R74NR3180CK00K

Aliases (74NR3180CK00K)

Not for New Design

R74, Film, Metallized Polypropylene, General Purpose, 0.18 uF, 10%, 1,300 VDC, 85°C, 27.5 mm



| Dimensions |                    |
|------------|--------------------|
| L          | 32mm +0.3/-0.7mm   |
| Н          | 17mm +0.1/-0.7mm   |
| T          | 9mm +0.2/-0.7mm    |
| S          | 27.5mm +0.6/-0.1mm |
| НО         | 18.5mm +/-0.5mm    |
| F          | 0.8mm +/-0.05mm    |

| Packaging Specifications |            |  |
|--------------------------|------------|--|
| Packaging                | T&R, Large |  |
| Packaging Quantity       | 450        |  |

| General Information      |   |
|--------------------------|---|
| Series                   | R74   |
| Dielectric               | Metallized Polypropylene                            |
| Style                    | Radial  |
| Features                 | Pulse   |
| RoHS                     | Yes   |
| Termination              | Tinned Wire   |
| Lead                     | Wire Leads  |
| AEC-Q200                 | No  |
| Typical Component Weight | 5.88 g  |
| Miscellaneous            | Above 85C DC And AC Voltage<br>Derating Is 1.25%/C. |
| Notes                    | Series Replaced by R75.                             |

| Specifications        |  |
|-----------------------|--|
| Capacitance           | 0.18 uF                                  |
| Tolerance             | 10%                                      |
| Voltage DC            | 1300 VDC                                 |
| Voltage AC            | 400 VAC                                  |
| Temperature Range     | -55/+105°C                               |
| Rated Temperature     | 85°C                                     |
| Dissipation Factor    | 0.05% 1kHz, 0.08% 10kHz                  |
| Insulation Resistance | 100 GOhms                                |
| Max dV/dt             | 380 V/us                                 |
| ESR                   | 53.1 mOhms (100kHz)                      |
| Ripple Current        | 3.3 Amps (100kHz 85C), 68<br>Amps (Peak) |
| Inductance            | 18 nH                                    |

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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