

## R75QN3100DQ00J

Aliases (75QN3100DQ00J)

**General Information** 

Series

Style Features

Dielectric

R75, Film, Metallized Polypropylene, Automotive Grade, 0.1 uF, 5%, 1,000 VDC, 85°C, 22.5 mm

R75

Yes

Yes 3.5 g

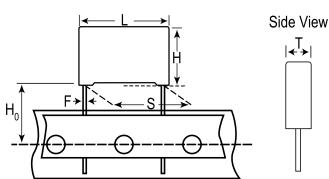
Tinned Wire Wire Leads AEC-Q200

Metallized Polypropylene

Automotive Grade, Pulse

Above 85C DC And AC Voltage

Derating Is 1.25%/C.



|                              |  | Specifications           |
|------------------------------|--|--------------------------|
| Click here for the 3D model. |  |                          |
|                              |  | Miscellaneous            |
|                              |  | Typical Component Weight |
| - <del></del>                |  | AEC-Q200                 |
|                              |  | Qualifications           |
|                              |  | Lead                     |
|                              |  | Termination              |
|                              |  | RoHS                     |

| Dimensions               |                         | Specifications        |   |
|--------------------------|-------------------------|-----------------------|---|
| L                        | 26.5mm +0.3/-0.5mm      | Capacitance           | 0.1 uF                                    |
| Н                        | 16mm +0.1/-0.5mm        | Tolerance             | 5%  |
| Т                        | 7mm +0.2/-0.5mm         | Voltage DC            | 1000 VDC                                  |
| S                        | 22.5mm +/-0.4mm         | Voltage AC            | 300 VAC                                   |
| НО                       | 18.5mm +/-0.5mm         | Temperature Range     | -55/+105°C                                |
| F                        | 0.8mm +/-0.05mm         | Rated Temperature     | 85°C                                      |
| Packaging Specifications |                         | Dissipation Factor    | 0.04% 1kHz, 0.06% 10kHz, 0.25%<br>100kHz  |
| Packaging                | Ammo, 360x340x59mm, Box | Insulation Resistance | 100 GOhms                                 |
| Packaging Quantity       | 380                     | Max dV/dt             | 800 V/us                                  |
|                          |                         | ESR                   | 27.1 mOhms (100kHz)                       |
|                          |                         | Ripple Current        | 4.24 Amps (100kHz 85C), 80<br>Amps (Peak) |
|                          |                         | Inductance            | 16 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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