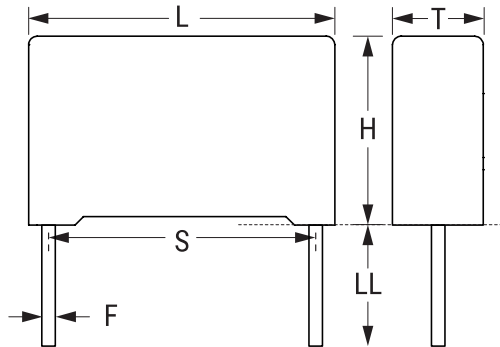


**KEMET Part Number: R71VR41005000M**  
(71VR41005000M)

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R71, Film, Metallized Polypropylene, General Purpose, 1 uF, 20%, 520 VDC, 105°C, Lead Spacing = 27.5mm



| General Information |                                                |
|---------------------|------------------------------------------------|
| Series:             | R71                                            |
| Dielectric:         | Metallized Polypropylene                       |
| Style:              | Radial                                         |
| Features:           | PFC and Pulse                                  |
| RoHS:               | Yes                                            |
| Lead:               | Wire Leads                                     |
| AEC-Q200:           | No                                             |
| Miscellaneous:      | Above 105C DC And AC Voltage Derating Is 4%/C. |

| Dimensions |                  |
|------------|------------------|
| L          | 32mm +0.3/-0.7mm |
| H          | 20mm +0.1/-0.7mm |
| T          | 11mm +0.2/-0.7mm |
| S          | 27.5mm +/-0.4mm  |
| LL         | 25mm +2/-1mm     |
| F          | 0.8mm +/-0.05mm  |

| Packaging Specifications |      |
|--------------------------|------|
| Packaging:               | Tray |
| Packaging Quantity:      | 336  |

| Specifications         |                                         |
|------------------------|-----------------------------------------|
| Capacitance:           | 1 uF                                    |
| Capacitance Tolerance: | 20%                                     |
| Voltage AC:            | 250 VAC                                 |
| Voltage DC:            | 520 VDC                                 |
| Temperature Range:     | -40/+110°C                              |
| Rated Temperature:     | 105°C                                   |
| Dissipation Factor:    | 0.1% 25C                                |
| Insulation Resistance: | 30 GOhms                                |
| Max dV/dt:             | 100 V/us                                |
| Resistance:            | 119.4 mOhms (100kHz)                    |
| Ripple Current:        | 1.58 Amps (100kHz 85C), 100 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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