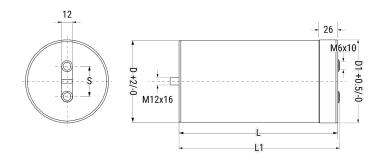


a YAGEO company

## C44UUGT6270M85K

C44U-M, Film, Metallized Polypropylene, DC Link, 270 uF, 10%, 1300 VDC



General Information Series C44U-M Dielectric Metallized Polypropylene Style DC Filtering, Energy Storage Features RoHS With Exemptions **REACH** SVHC (Pb - CAS 7439-92-1) SCIP Number cc1c1ec4-db9e-4815-b26b-e8a34ddfb776 Screw Terminals M6 Lead AEC-Q200 Nο Component 1120 g Weight Thermal Resistance = 5.1 C/W. Weight = 5600 Miscellaneous grams.

Click here for the 3D model.

| Dimensions |                |
|------------|----------------|
| D          | 85mm +2mm      |
| L          | 144.5mm +/-2mm |
| L1         | 146mm +/-2mm   |
| S          | 32mm +/-0.3mm  |
| D1         | 88mm +0.5mm    |

| Packaging Specifications |               |  |  |
|--------------------------|---------------|--|--|
| Mounting                 | Bolt - M12x16 |  |  |
| Packaging                | Bulk, Bag     |  |  |
| Packaging Quantity       | 5             |  |  |

| Specifications        |                                       |  |
|-----------------------|---------------------------------------|--|
| Capacitance           | 270 uF                                |  |
| Capacitance Tolerance | 10%                                   |  |
| Voltage DC            | 1300 VDC                              |  |
| Temperature Range     | -40/+85°C                             |  |
| Rated Temperature     | 75°C                                  |  |
| Insulation Resistance | 110 MOhms                             |  |
| Max dV/dt             | 9 V/us                                |  |
| Resistance            | 3.3 mOhms (10kHz)                     |  |
| Ripple Current        | 42 Amps (10kHz 40C), 2365 Amps (Peak) |  |
| Inductance            | 55 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.