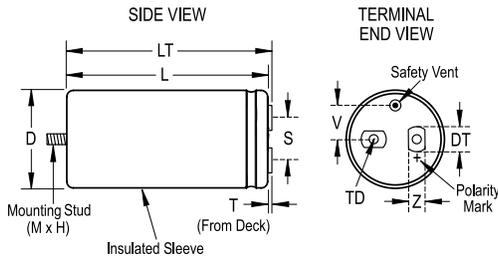


**KEMET Part Number: ALS41A102KF400**  
(A441LM102M400A)

ALS41, Aluminum Electrolytic, 1,000 uF, 20%, 400 VDC, -40/+105°C



| General Information |                                                        |
|---------------------|--------------------------------------------------------|
| <b>Series:</b>      | ALS41                                                  |
| <b>Dielectric:</b>  | Aluminum Electrolytic                                  |
| <b>Description:</b> | Screw Terminal, Aluminum Electrolytic                  |
| <b>RoHS:</b>        | Yes                                                    |
| <b>Mounting:</b>    | Stud                                                   |
| <b>AEC-Q200:</b>    | No                                                     |
| <b>Notes:</b>       | Dimensions D And L Include Slewing. MS (MxH) = M12x16. |
| <b>Shelf Life:</b>  | 156 Weeks                                              |

| Dimensions |                 |
|------------|-----------------|
| <b>D</b>   | 51mm +/-1mm     |
| <b>L</b>   | 105mm +/-2mm    |
| <b>T</b>   | 6.35mm +/-0.5mm |
| <b>S</b>   | 22.2mm +/-0.5mm |
| <b>DT</b>  | 13mm +/-0.5mm   |
| <b>LT</b>  | 110.5mm +/-1mm  |
| <b>TD</b>  | 10mm MIN        |
| <b>V</b>   | 13.7mm NOM      |
| <b>Z</b>   | 10mm NOM        |

| Specifications                |                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------|
| <b>Capacitance:</b>           | 1,000 uF                                                                               |
| <b>Capacitance Tolerance:</b> | 20%                                                                                    |
| <b>Voltage DC:</b>            | 400 VDC, 440 VDC (Surge)                                                               |
| <b>Temperature Range:</b>     | -40/+105°C                                                                             |
| <b>Rated Temperature:</b>     | 105°C                                                                                  |
| <b>Life:</b>                  | 7000 Hrs (Rated Voltage And Ripple Current At 105C), 11000 Hrs (Rated Voltage At 105C) |
| <b>Resistance:</b>            | 124 mOhms (100Hz 20C), 81 mOhms (10kHz 20C)                                            |
| <b>Ripple Current:</b>        | 5.6 Amps (100Hz 105C), 12.3 Amps (10kHz 105C)                                          |
| <b>Leakage Current:</b>       | 1200 uA (5min 20°C)                                                                    |

| Packaging Specifications |           |
|--------------------------|-----------|
| <b>Weight:</b>           | 300 g     |
| <b>Slewing:</b>          | Yes       |
| <b>Packaging:</b>        | Bulk, Box |