

# FICHE TECHNIQUE CONDENSATEUR CAPACITOR SPECIFICATION 1GV300UAVT10H26\_300μF-300Vrms

|                                                                           |                                                                                             |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| CODE ARTICLE<br><i>Part number</i>                                        | 1GV300UAVT10H26                                                                             |
| PLAN<br><i>Drawing</i>                                                    | 3072-Ind2                                                                                   |
| CAPACITÉ (μF)<br><i>Capacitance</i>                                       | 300 ± 10 %                                                                                  |
| TENSION NOMINALE (V)<br><i>Rated Voltage</i>                              | 300Vrms                                                                                     |
| TENSION DE SERVICE MAX (V)<br><i>Maximum Operating Voltage</i>            | 450Vac                                                                                      |
| MAXIMUM WORKING FREQUENCY                                                 | 5kHz                                                                                        |
| TENSION D'ESSAI (V)<br><i>Test Voltage</i>                                | 1200 Vdc or 640 Vac, 10s between terminals<br>5000 Vac, 50 Hz, 10s between terminals & case |
| SURTENSION ADMISSIBLE (V)<br><i>Overvoltage</i>                           | 640Vac                                                                                      |
| COURANT CRÊTE MAX (Amp)<br><i>Max Peak Current</i>                        | 4000                                                                                        |
| COURANT EFFICACE (Amp)<br><i>Rms Current</i>                              | 45Arms                                                                                      |
| VITESSE DE MONTE EN TENSION (V/μs)<br><i>Rate of voltage rise (DV/dt)</i> | 25                                                                                          |
| Stray Inductance (nH)                                                     | <110                                                                                        |
| Equivalent Series Resistance, ESR (mΩ)                                    | <2                                                                                          |
| DIELECTRIQUE<br><i>Dielectric</i>                                         | Polypropylène métallisé, auto-cicatrisant<br>Metallized polypropylene, self-healing         |
| IMPRÉGNATION<br><i>Impregnation</i>                                       | Dry                                                                                         |
| TEMPÉRATURE DE STOCKAGE (°C)<br><i>Storing temperature</i>                | -40°C to +85°C                                                                              |
| TEMPÉRATURE DE FONCTIONNEMENT (°C)<br><i>Operating temperature</i>        | -25°C to +85°C                                                                              |
| Maximum Hotspot temperature (°C)                                          | 60                                                                                          |
| Thermal resist.natural cooling (°C/W)                                     | 2.63                                                                                        |
| COEFFICIENT DE TEMPÉRATURE (ppm/°C)<br><i>Temperature Coefficient</i>     | -260                                                                                        |
| RESISTANCE D'ISOLEMENT (20°C-100V)<br><i>Insulating resistance</i>        | >10 <sup>4</sup> MΩ                                                                         |
| MATÉRIAU DE REMPLISSAGE<br><i>Fill-in material</i>                        | Polyurethane resin                                                                          |
| BOÎTIER<br><i>Case</i>                                                    | Aluminum Case with Stud fixation M12 x 16mm<br>Dimensions : D85±1XH140±1mm                  |
| SORTIES<br><i>Terminals</i>                                               | 2 Screws M10– distance beteen terminals 35±0.5 mm                                           |
| Per 10exp9 components hours                                               | 300                                                                                         |
| Expected life (h)                                                         | 100.000h at 300Vrms 50Hz, 60°C hot spot                                                     |
| MASSE (kg)<br><i>Approx Weight</i>                                        | ~ 0.85                                                                                      |
| STANDARD (IEC)                                                            | 61071                                                                                       |