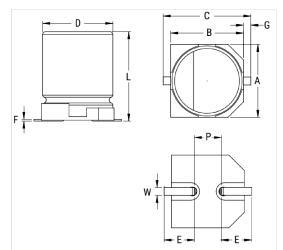


a YAGEO company

## EEV277M6R3A9NAA

EEV, Aluminum Electrolytic, 270 uF, 20%, 6.3 VDC, -55/+105°C



Click here for the 3D model.

| Dimensions |                     |
|------------|---------------------|
| D          | 6.3mm +/-0.5mm      |
| L          | 5.8mm +/-0.3mm      |
| W          | 0.65mm +/-0.1mm     |
| F          | 0.3mm MAX           |
| Α          | 6.6mm +/-0.2mm      |
| В          | 6.6mm +/-0.2mm      |
| С          | 7.8mm MAX           |
| E          | 2.2mm +/-0.2mm      |
| G          | 0.35mm +0.15/-0.2mm |
| Р          | 1.8mm +/-0.2mm      |
|            |                     |

| Packaging Specifications |            |
|--------------------------|------------|
| Packaging                | T&R, 380mm |
| Packaging Quantity       | 1000       |

| General Information |                                      |  |
|---------------------|--------------------------------------|--|
| Series              | EEV                                  |  |
| Dielectric          | Aluminum Electrolytic                |  |
| Style               | SMD Can                              |  |
| Description         | Surface Mount, Aluminum Electrolytic |  |
| RoHS                | Yes                                  |  |
| Lead                | V-Chip                               |  |
| AEC-Q200            | No                                   |  |

| Specifications             |   |
|----------------------------|---|
| Capacitance                | 270 uF  |
| Capacitance<br>Tolerance   | 20%   |
| Voltage DC                 | 6.3 VDC, 7 VDC (Surge)  |
| Temperature Range          | -55/+105°C  |
| Rated Temperature          | 105°C   |
| Life                       | 2000 Hrs  |
| Dissipation Factor         | 26% 120Hz 20C   |
| Resistance                 | 0.36 Ohms (100kHz 20C)  |
| Ripple Current             | 240 mAmps (120Hz 105C), 192 mAmps (1kHz),<br>240 mAmps (100kHz) |
| Leakage Current            | 17 uA (2min 20°C)   |
| Impedance Ratio at<br>-25C | 2   |
| Impedance Ratio at<br>-40C | 3   |
| High Temperature<br>Solder | Yes   |

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.