

● **High reliability, Safe and unlike secondary batteries, this is pollution free devices.**

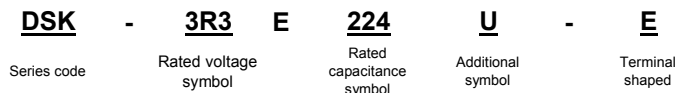
● **RoHS Compliant.**

● **ELAN P/N: DSK-3R3E224U-E**

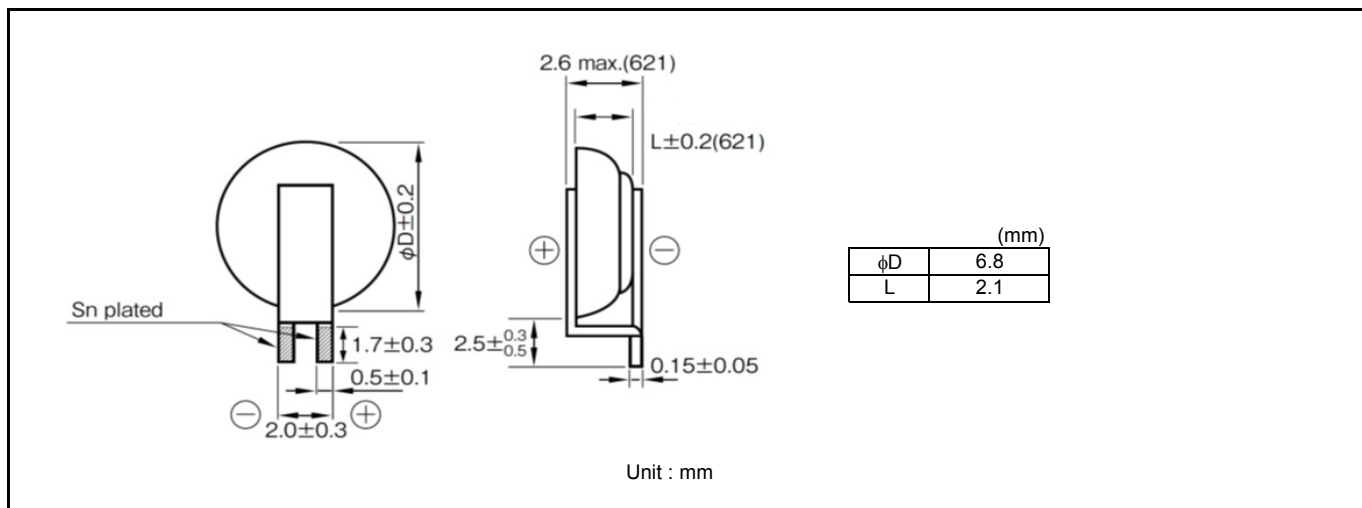
■ Spec sheet

| Item | Performance | |
|---|---------------------------------------|---|
| Category temperature range (deg C) | -10 to +60 | |
| Rated Voltage (V) | 3.3 | |
| Rated Capacitance (F) | 0.22 | (20deg C) |
| Tolerance at rated capacitance (%) | -20 to +80 (20deg C) | |
| Internal resistance (ohm max.) | 20deg C, 1kHz | 200 |
| Characteristics at high and low temperature | Capacitance change | Within -50% to +50% at 20deg C |
| | Internal resistance | Less than five times of the initial specified value |
| Endurance(60deg C) | Test time | 500hours |
| | Percentage of capacitance change | Within -30% to +30% of initial value |
| | Internal resistance | Less than 800 ohm |
| Shelf life(60deg C) | Test time | 500hours |
| | Capacitance change | Within -30% to +30% of initial value |
| | Internal resistance | Less than 800 ohm |
| Applicable standards | Conforms to JIS C5160-1 (IEC 62391-1) | |

■ ELNA part numbering system



■ Outline drawing



(Note) It is recommended that you shall obtain technical specifications from ELNA CO., LTD. to ensure that the component is suitable for your intended use.