

## ERK610Z681MDRY

Aliases (C812DR681M440N, ERK610RK3680MDRY)

Obsolete

ERK610 SFTY X1-440 Y2-300, Ceramic, 680 pF, 20%, 440 VAC (X1), 300 VAC (Y2), Y5U, Lead Spacing = 10mm



The measurement position of Lead Spacing (S) and Width (V) is critical in straight lead capacitors.

### General Information

|                |   |
|----------------|---|
| Series         | ERK610 SFTY X1-440 Y2-300   |
| Style          | Radial Disc   |
| Description    | Ceramic Single Layer Safety Disc Capacitors   |
| RoHS           | Yes   |
| Termination    | Tin   |
| Qualifications | UL, CSA, CAN, ENEC, VDE   |
| AEC-Q200       | No  |
| Notes          | Please See Bulletin For Taping Information. H Dimension Refers to Seating Plane To Center Hole of Tape. |

### Specifications

|                         |                            |
|-------------------------|----------------------------|
| Capacitance             | 680 pF                     |
| Capacitance Tolerance   | 20%                        |
| Voltage AC              | 440 VAC (X1), 300 VAC (Y2) |
| Temperature Range       | -40/+125°C                 |
| Temperature Coefficient | Y5U                        |
| Dissipation Factor      | 2.5%                       |
| Insulation Resistance   | 6 GOhms                    |
| Safety Class            | X1/Y2                      |

Click [here](#) for the 3D model.

### Dimensions

|   |                 |
|---|-----------------|
| D | 9mm MAX         |
| H | 20mm +/-1mm     |
| T | 6mm MAX         |
| S | 10mm +/-0.8mm   |
| F | 0.6mm +/-0.05mm |
| G | 3mm MAX         |
| V | 2mm +/-0.5mm    |

### Packaging Specifications

Packaging T&R, H = 20mm, Component Pitch = 25.4mm