

**ALUMINUM ELECTROLYTIC CAPACITORS Engineering Bulletin**  
**( Series deleted from catalog )**

| Series             |           | Features                                     | Terminal type | Endurance life        | Rated voltage RANGE (VDC) |
|--------------------|-----------|--|---------------|-----------------------|---------------------------|
| Surface Mount      | MF        | 3.2 to 4.7mm max. height                     | SMD           | 85oC                  | 4 to 50                   |
| Horizontal Type    |           |  |               | 2,000 hours           |                           |
| Surface Mount      | MFK       | 3.7 to 4.7mm max. height                     | SMD           | 105oC                 | 6.3 to 50                 |
| Horizontal Type    |           |  |               | 1,000 hours           |                           |
| Surface Mount      | MFK-Large | 9.2mm max. height                            | SMD           | 105oC                 | 10 to 50                  |
| Horizontal Type    |           |  |               | 2,000 hours           |                           |
| Surface Mount      | MVZ       | 6.0 to 10.5mm max. height,                   | SMD           | 105oC                 | 6.3 to 25                 |
| Vertical Type      |           | Very low ESR                                 |               | 1,000 to 2,000 hours  |                           |
| Surface Mount      | MVJ       | 6.0mm max. height                            | SMD           | 105oC                 | 6.3 to 50                 |
| Vertical Type      |           |  |               | 2,000 hours           |                           |
| Miniature          | SME       | General                                      | Radial        | 85oC                  | 6.3 to 450                |
| General purpose    |           |  |               | 2,000 hours           |                           |
| Miniature          | KME       | General                                      | Radial        | 105oC                 | 6.3 to 400                |
| General purpose    |           |  |               | 1,000 hours           |                           |
| Miniature          | SXE       | Low impedance                                | Radial        | 105oC                 | 6.3 to 100                |
| General purpose    |           |  |               | 2,000 hours           |                           |
| Miniature          | KMY       | Long life,                                   | Radial        | 105oC                 | 10 to 50                  |
| High Frequency Use |           | general                                      |               | 4,000 to 7,000 hours  |                           |
| Miniature          | KMF       | Low impedance,                               | Radial        | 105oC                 | 6.3 to 450                |
| High Frequency Use |           | high CV,                                     |               | 2,000 to 5,000 hours  |                           |
|                    |           | general                                      |               |                       |                           |
| Miniature          | EX        | Downsized, long life,                        | Radial        | 105oC                 | 10 to 63                  |
| High Reliability   |           | for input filtering                          |               | 2,000 to 5,000 hours  |                           |
| Miniature          | KMX       | Long life,                                   | Radial        | 105oC                 | 160 to 450                |
| High Reliability   |           | for input filtering                          |               | 8,000 to 10,000 hours |                           |
| Miniature          | FL        | Long life                                    | Radial        | 105oC                 | 6.3 to 50                 |
| High Reliability   |           | (Refer Series Table for 5.0 or 7.0mm height) |               | 3,000 hours           |                           |
| Miniature          | LX        | Long life                                    | Radial        | 105oC                 | 100 to 250                |
| High Reliability   |           |  |               | 5,000 hours           |                           |
| Miniature          | LXA       | Long life                                    | Radial        | 105oC                 | 10 to 63                  |
| High Reliability   |           |  |               | 5,000 to 7,000 hours  |                           |
| Miniature          | LXJ       | Low impedance                                | Radial        | 105oC                 | 6.3 to 50                 |
| High Reliability   |           |  |               | 2,000 to 5,000 hours  |                           |

|                  |        |                                      |        |                      |            |
|------------------|--------|--------------------------------------|--------|----------------------|------------|
| Miniature        | GXD    | Downsized,                           | Radial | 125oC                | 10 to 63   |
| High Reliability |        | long life                            |        | 1,000 to 2,000 hours |            |
| Large Sized      | SMH    | Snap-in terminal,                    | Pin    | 85oC                 | 6.3 to 450 |
| General purpose  |        | general                              |        | 2,000 hours          |            |
|                  |        | (Refer Series Table for 6.3 to 100V) |        |                      |            |
| Large Sized      | KMH    | Snap-in terminal,                    | Pin    | 105oC                | 6.3 to 450 |
| General purpose  |        | general                              |        | 2,000 hours          |            |
|                  |        | (Refer Series Table for 6.3 to 100V) |        |                      |            |
| Large Sized      | RWE-LR | For air-conditioning                 | Lug    | 85oC                 | 250 to 450 |
| High Reliability |        |                                      |        | 3,000 hours          |            |
| Screw-mount      | LX     | Screw-Mount                          | Screw  | 105oC                | 350 to 450 |
| Terminal Type    |        |                                      |        | 5,000 hours          |            |