

## Aluminum Capacitors Electrolytics



### PERFORMANCE CHARACTERISTICS

**Operating Temperature:** - 55°C to + 125°C.

**Capacitance Tolerance:**  $\pm 10\%$ .

**Leakage Current:** Maximum DC leakage current at + 25°C: 10 $\mu$ F capacitors, 1 $\mu$ A; 25 $\mu$ F capacitors, 1.2 $\mu$ A; 50 $\mu$ F capacitors, 1.5 $\mu$ A; 100 $\mu$ F capacitors, 2 $\mu$ A; 250 $\mu$ F capacitors, 3 $\mu$ A; 500 $\mu$ F capacitors, 5 $\mu$ A.

**Equivalent Series Resistance:** .3 ohm to 13.3 ohm maximum at 120Hz and + 25°C.

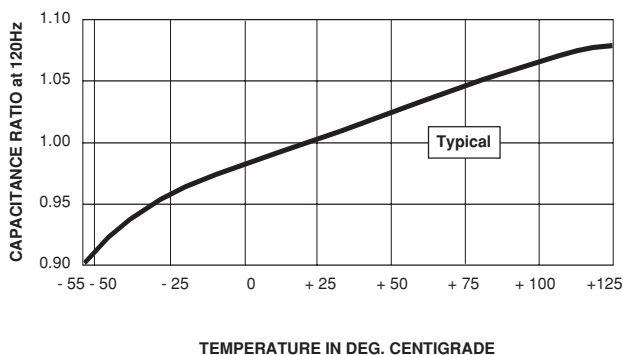
**Life Validation Test:** Capacitors are capable of withstanding a 2000 hour life test at rated voltage and + 85°C. After test, capacitance value shall not be changed by more than  $\pm 20\%$ , the equivalent series resistance shall not exceed 150% of initial requirement and the leakage current shall not have exceeded initial requirement.

**Shelf Test:** After storage for 500 hours at + 85°C with no voltage applied, the capacitance and equivalent series resistance shall meet initial requirements and the DC leakage current shall not exceed 300% of the initial requirements.

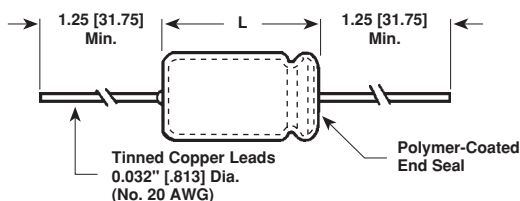
### FEATURES

- Designed for use in critical long-interval timing circuits
- Exceptionally high capacitance stability
- Excellent shelf and life characteristics
- All terminal connections welded, eliminating possibility of "open" or intermittent contacts encountered in pressure connections
- Outer plastic-film insulation and polymer-coated end seals eliminate possible problems with solvent cleaning
- Standard inventoried product
- Sizes subject to change without notice

### CAPACITANCE VS TEMPERATURE



### STANDARD RATINGS AND DIMENSIONS in inches [millimeters]



CAPACITANCE ( $\mu$ F)	WVDC	D x L	PART NUMBER
10	25	0.270 x 0.812 [6.858 x 20.625]	630D100
25	25	0.332 x 0.812 [8.433 x 20.625]	630D101
50	25	0.332 x 0.937 [8.433 x 23.800]	630D102
100	25	0.395 x 1.062 [10.033 x 26.975]	630D103
250	25	0.395 x 1.625 [10.033 x 41.275]	630D104
500	25	0.505 x 1.875 [12.827 x 47.625]	630D105