

## RELIABILITY SUMMARY REPORT

**PRODUCTS: SMT ALUMINUM ELECTROLYTIC CAPACITORS  
SERIES: NACE, NACEW, NACZ, NACEN & NACT**

**TEST CONDITIONS:**

100% RATED VOLTAGE AND RIPPLE CURRENT AT MAXIMUM RATED TEMPERATURE (PER TEST PERIOD BELOW)

Series	Size	Quantity Tested	Test Period (Hour)	Total Testing Time (Hour)	No. of Failure	Failure Rate	MTTF (Hour)
NACE	ALL	24,960	2000HR @+85°C	49,920,000	0	18 FIT	5.44X10 <sup>7</sup>
NACEW	Ø D ≤8mm	13,472	1000HR @+105°C	32,928,000	0	28 FIT	3.59X10 <sup>7</sup>
	Ø D ≥10mm	9,728	2000HR @+105°C		0		
NACZ	Ø D ≤8mm	8,928	1000HR @+105°C	21,600,000	0	42 FIT	2.36X10 <sup>7</sup>
	Ø D ≥10mm	6,336	2000HR @+105°C		0		
NACEN	ALL	4,832	2000HR @+85°C	9,664,000	0	95 FIT	1.05 X10 <sup>7</sup>
NACT	ALL	6,560	1500HR @+125°C	9,840,000	0	93 FIT	1.07 X10 <sup>7</sup>

1. COEFFICIENT OF ZERO FAILURE IS 0.917 AT 60% CONFIDENTIAL LEVEL.
2. 1 FIT = 1 FAILURE IN 10<sup>9</sup> HOURS AT 60% CONFIDENCE LEVEL