



NIC COMPONENTS CORP.

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RIPPLE CURRENT CORRECTION FACTORS

**PRODUCT: SURFACE MOUNT LOW IMPEDANCE
ALUMINUM ELECTROLYTIC CAPACITORS**

SERIES: NACZ

Frequency Coefficient

When operating at frequencies below 100KHz use the following ripple current correction factors (Multiplier):

Frequency	100Hz ≤ F <1KHz	1KHz ≤ F <10KHz	10KHz ≤ F <100KHz	100KHz ≤ F
C ≤ 4.7uF	0.45	0.60	0.90	1.0
4.7uF < C ≤ 33uF	0.60	0.80	0.95	1.0
33uF < C	0.75	0.85	0.95	1.0

Temperature Coefficient

When operating at temperatures below +105°C use the following ripple current correction factors:

Temperature	T ≤ 65°C	65°C < T ≤ 85°C	85°C < T ≤ 105°C
Multiplier	1.50	1.30	1.0