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Anti-Vibration, Wide Termination Option SMT Aluminum Electrolytic Capacitors (V-Chip Format)



APPLICATIONS: Automotive, portable devices, industrial equipment or other end-use applications where vibration and shock are present

Available (option) on the following component case sizes:
8x6.5, 8x10.5, 10x10.5, 12.5x14, 16x17, 18x17 & 18x22

Part Number Identifier for Wide Terminal Option:

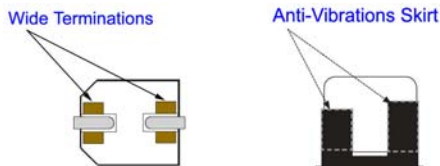
- W** for NAZT, NATK and NATT series
- WT** for all other NIC product series:

1. Wide terminations and larger land pads **increase the adhesion strength** between component and PCB.

2. Anti-vibration "skirt" **assists in stabilizing the component** and reducing vibration stress on termination wire.

VIBRATION TEST RESULTS

CASE SIZE: 18X17
CONDITIONS:
FREQUENCY = 5HZ ~2KHZ, 1 OCTAVE/ MINUTE
AMPLITUDE = 10MM P-P,
PLANE = "Y" (WEAKEST FOR THESE TYPE PRODUCT)



FORCE	2-TERMINAL			"WT" WIDE TERMINAL		
	SAMPLE 1	SAMPLE 2	SAMPLE 3	SAMPLE 1	SAMPLE 2	SAMPLE 3
5 G	PASS	PASS	PASS	PASS	PASS	PASS
10 G	PASS	PASS	PASS	PASS	PASS	PASS
15 G	PASS	PASS	PASS	PASS	PASS	PASS
20 G	FAILED	PASS	PASS	PASS	PASS	PASS
25 G		FAILED	FAILED	PASS	PASS	PASS
30 G				PASS	PASS	PASS

- BEST CONFIGURATION FOR HIGH VIBRATION APPLICATIONS IS "WT" WIDE TERMINAL TYPE

REFERENCE RESOURCES:

1. Suggested PCB Land Patterns & Component Dimensions
Link: www.niccomp.com/help/techinfo/taping6.pdf
2. Request Component Samples
Link <http://www.niccomp.com/samples>
3. Components For Automotive Equipment
Link: www.niccomp.com/auto