

FEATURES

- CYLINDRICAL LEADLESS TYPE FOR SURFACE MOUNTING
- NON-POLARIZED, 2000 HOURS AT 85°C
- 5.5mm HEIGHT
- ANTI-SOLVENT (2 MINUTES)
- DESIGNED FOR AUTOMATIC MOUNTING AND REFLOW SOLDERING

CHARACTERISTICS

Rated Voltage Range	6.3 ~ 50 Vdc						
Rated Capacitance Range	0.1 ~ 47μF						
Operating Temperature Range	-40° ~ +85°C*						
Capacitance Tolerance	±20%(M)						
Max. Leakage Current After 1 Minutes @ 20°C	0.03CV + 6μA max.						
Max. Tanδ @ 120 Hz/20°C	W.V. (Vdc)	6.3	10	16	25	35	50
	Tan δ @ 120Hz/20°C	0.24	0.20	0.17	0.17	0.15	0.15
Low Temperature Stability	W.V. (Vdc)	6.3	10	16	25	35	50
	Z-25°C/Z +20°C	4	3	2	2	2	2
Impedance Ratio @ 120Hz	Z-40°C/Z +20°C	8	6	4	4	3	3
Load Life Test 85°C, 2,000 Hours (Reverse polarity every 500 hours)	Capacitance Change	Within ± 25% of initial measured value					
	Tanδ	Less than 200% of specified value					
	Leakage Current	Less than specified value					



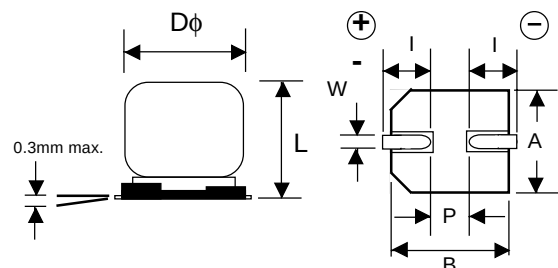
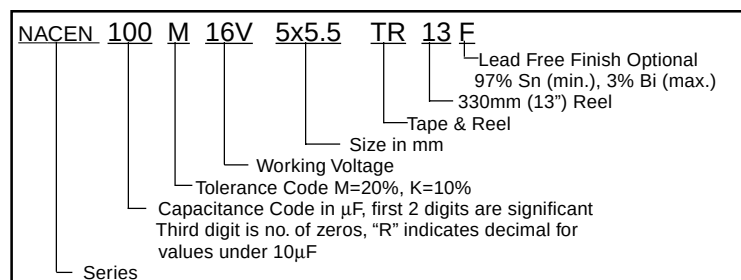
MAXIMUM PERMISSIBLE RIPPLE CURRENT (mA rms AT 120Hz AND 85°C)

Cap (μF)	Working Voltage (Vdc)					
	6.3	10	16	25	35	50
0.1						1.0
0.22						2.3
0.33						3.5
0.47						5.0
1.0						10
2.2					8.4	15
3.3				10	17	18
4.7			12	19	20	23
10		17	25	28	30	23
22	31	35	39			
33	39	43	57			
47	47					

STANDARD PRODUCT AND CASE SIZE TABLE DXL

Cap (μF)	Code	Working Voltage (Vdc)					
		6.3	10	16	25	35	50
0.1	R10						4x5.5
0.22	R22						4x5.5
0.33	R33						4x5.5*
0.47	R47						4x5.5
1.0	1R0						4x5.5*
2.2	2R2					4x5.5*	5x5.5*
3.3	3R3				4x5.5*	5x5.5*	5x5.5*
4.7	4R7			4x5.5	5x5.5*	5x5.5*	6.3x5.5
10	100		4x5.5*	5x5.5*	6.3x5.5*	6.3x5.5*	6.3x5.5*
22	220	5x5.5*	6.3x5.5*	6.3x5.5*			
33	330	6.3x5.5*	6.3x5.5*	6.3x5.5*			
47	470	6.3x5.5*					

*Denotes values available in optional 10% tolerance



SEE PAGE 38
For Case Size Data
SEE PAGE 39
For Taping/Packaging Data