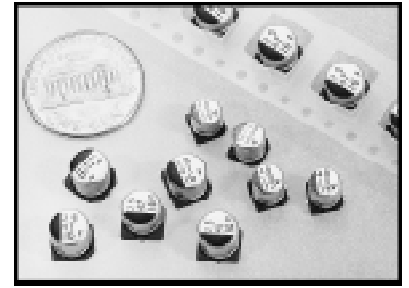


FEATURES

- CYLINDRICAL LEADLESS TYPE FOR SURFACE MOUNT
- HIGH VOLTAGE (200VDC AND 400VDC)
- 8 x10.8mm ~ 16 x17mm CASE SIZE
- LONG LIFE (2000 HOURS AT +105°C)
- COMPATIBLE WITH REFLOW SOLDERING

CHARACTERISTICS

Rated Voltage Range		200 Vdc	400 Vdc
Rated Capacitance Range		4.7 ~ 68μF	1.0 ~ 22μF
Operating Temperature Range		- 40°C ~ + 105°C	
Capacitance Tolerance		± 20% (M)	
Max. Leakage Current After 2 Minutes		0.03CV + 15μF	
Max. Tanδ @ 120Hz		0.20	0.25
Low Temperature Stability (Impedance Ratio @ 120Hz)	Z-25°C/+20°C	3	6
	Z-55°C/+20°C	6	10
High Temperature Load Life 2000 Hours at +105°C Rated WVDC	Capacitance Change	Within ± 25% of initial value	
	Tan δ	Less than 200% of specified value	
	Leakage Current	Less than the specified value	



SURFACE MOUNT

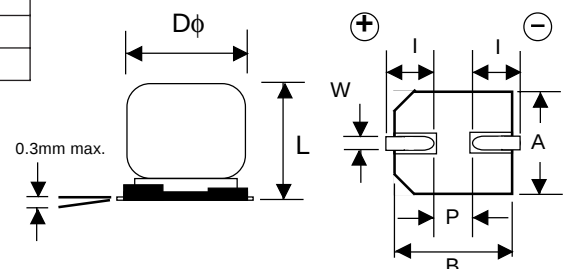
SPECIFICATIONS

NIC Part Number	WV (VDC)	Cap. (μF)	Max. L.C. (μA)	Max. Tan δ	Max. Ripple Current At +105°C & 120Hz (mA)	Max. ESR At +20°C & 120Hz (Ω)
NACV4R7M200V10X10.8TR	200	4.7	43	0.20	64	70.5
NACV100M200V10X10.8TR	200	10	65	0.20	64	33.1
NACV220M200V12.5X14TR	200	22	113	0.20	112	15.1
NACV330M200V12.5X14TR	200	33	157	0.20	112	10.0
NACV470M200V16X17TR	200	47	297	0.20	215	7.1
NACV680M200V16X17TR	200	68	423	0.20	215	4.9
NACV1R0M400V8X10.8TR	400	1.0	27	0.25	17	415.0
NACV3R3M400V10X10.8TR	400	3.3	51	0.25	36	126.0
NACV4R7M400V10X10.8TR	400	4.7	63	0.25	36	88.1
NACV6R8M400V12.5X14TR	400	6.8	80	0.25	47	61.0
NACV100M400V12.5X14TR	400	10	105	0.25	47	41.5
NACV220M400V16X17TR	400	22	279	0.25	115	18.9

DIMENSIONS (mm) and STANDARD REEL QUANTITIES

Case Size	DØ ± 0.5	L max.	A ± 0.2	B ± 0.2	I ± 0.2	W	P ± 0.2	Q'ty per Reel
10x10.8	10.0	10.8	10.3	10.3	3.2	0.7-1.0	4.6	300 pcs
12.5x14	12.5	14.0	12.8	12.8	4.4	0.7-1.0	4.6	200 pcs
16x17	16.0	17	16.3	16.3	5.0	1.8~2.1	7.0	125 pcs

NACV	100	M	200V	10x10.8	TR	13	E
							Lead Free Finish Optional 97% Sn (min.), 3% Bi (max.)
							330mm (13") Reel
							Tape & Reel
							Size in mm
							Working Voltage
							Tolerance Code M=20%, K=10%
							Capacitance Code in μF, first 2 digits are significant
							Third digit is no. of zeros, "R" indicates decimal for values under 10μF
							Series



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