Specification for approval

No： Q/JDC.CAP.2010-02-26

Product Name： **Sip Network Capacitor**

Customer： _____

Type and Specification： _____

Material Code of Customer ： _____

WRITTEN	CHECKED	APPROVED
Li Ren	Jack Liu	Eric Li

Signature of Approval: _____

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1、 Scope：

This specification applies to network capacitor produced by our company for used in electronic equipments.

2、 Specification and items by checked

■ How to order

A	05	CG	103	J	250

Circuits
A
B
C

Number of pin	
04	4pin
05	5pin
06	6pin
07	7pin
08	8pin
09	9pin
10	10pin
11	11pin
12	12pin
13	13pin
14	14pin

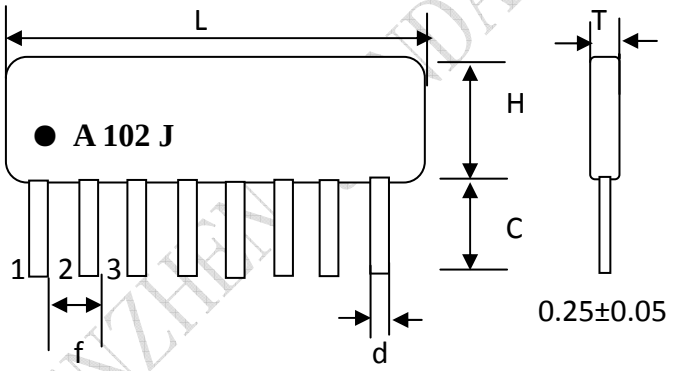
Dielectric	
CG	C0G(NP0)
B	X7R
F	Y5V
E	Z5U

Capacitance	
101	10×10^{1}pf
103	10×10^{3}pf
475	10×10^{1}V 47

Tolerance	
J	±5%
K	±10%
M	±20%
S	-20%, +50%

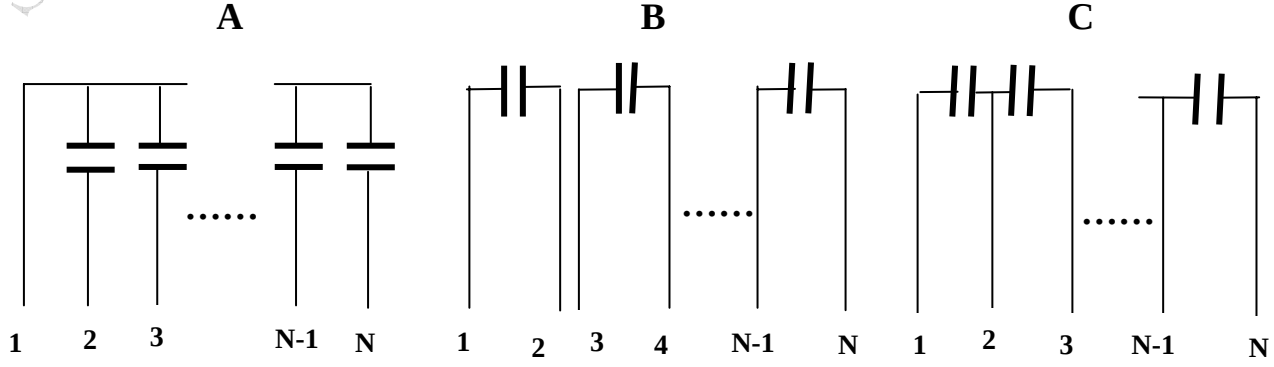
Rated Voltage	
250	25×10^{0}V
500	50×10^{0}V
101	10×10^{1}V
201	20×10^{1}V

■ Dimensions(mm)



TYPE	L (MAX)	H(MAX)	T (MAX)	c ±0.5	d ±0.05	f ±0.2
4pin	11.4					
5pin	14.0					
6pin	16.5					
7pin	19.1					
8pin	21.6					
9pin	24.1	5.5	3.5	3.5	0.5	2.54
10pin	26.7					(1.778)
11pin	29.2					
12pin	31.8					
13pin	34.3					
14pin	36.8					

■ Circuit construction



Other types are customized

■ Features

ITEM	NP0(C0G)	X7R(B)	Y5V(F)/ Z5U(E)
Capacitance	10pF-4700pF	100pF-0.22μF	2200pF-1.0μF
Capacitance Tolerance	J=±5% K=±10% M=±20%	K=±10% M=±20% S=+50%,-20%	M=±20% S=+50%,-20%
Rated Voltage	16, 25, 50,63, 100, 200 VDC	16, 25, 50,63, 100, 200 VDC	25, 50,100, VDC
Dissipation Factor	C≥50p;DF＜0.15% C＜50p; DF≤ $15(150/C+7)\times10^{-4}$	DF＜2.5%(100V) DF＜3.0%(50,25V) DF＜3.5%(10V)	DF＜3.5%
Insulation Resistance	C≤10p; R＞10000MΩ C＞10p; R×C＞1000S	C≤25n; R＞4000MΩ C＞25n; R×C＞100S	C≤25n; R＞4000MΩ C＞24n; R×C＞100S
Dielectric Withstanding Voltage	2.5×WDVC 5 S	2.5×WDVC 5 S	2.5×WDVC 5 S
Solderability	Coverage≥90%	Coverage≥90%	Coverage≥90%
Temperature Cycling	| ΔC/C| ≤1%	| ΔC/C| ≤10%	| ΔC/C| ≤30%
Humidity & Moisture Resistance	| ΔC/C| ≤1% DF 0.003 I.R：R×C＞25S	| ΔC/C| ≤10% DF 0.05 I.R：R×C＞25S	| ΔC/C| ≤20% DF 0.07 I.R：R×C＞25S
T.C.Characteristics	±30ppm / ℃	ΔC/C ： ±15%	ΔC/C ： +15%,-56% ΔC/C ： +22%,-82%
Vibration	No mechanical damage shall occur	No mechanical damage shall occur	No mechanical damage shall occur
Life test	| ΔC/C| ≤2% DF 0.003 I.R：R×C＞25S No mechanical damage shall occur	| ΔC/C| ≤20% DF 0.05 I.R：R×C＞25S No mechanical damage shall occur	| ΔC/C| ≤30% DF 0.07 I.R：R×C＞25S No mechanical damage shall occur