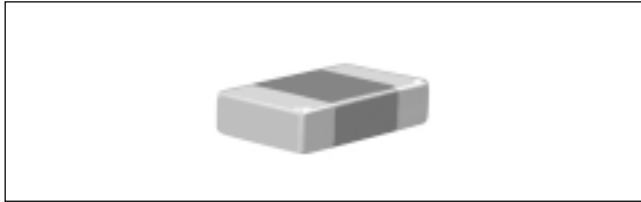




Multilayer Ceramic Chip Capacitors



FEATURES

- Designed for excellent T/VCC.
- Temperature Voltage Coefficient (T/VCC) does not exceed - 25% at rated voltage.
- Excellent aging characteristics.

GENERAL SPECIFICATIONS

NOTE: Electrical characteristics @ + 25°C unless otherwise specified.

Capacitance Range: 120pF to 2.7μF.

Temperature Coefficient of Capacitance (TCC):
± 15% from - 55°C to + 125°C, with 0 Vdc applied.

+ 15%, - 25% from - 55°C to + 125°C, with rated voltage applied.

Dissipation Factor (DF):
2.5% maximum @ 1.0 Vrms and 1kHz.

Insulation Resistance (IR):

@ + 25°C and rated voltage 100,000 Megohms minimum or 1000 ohm-farads, whichever is less.

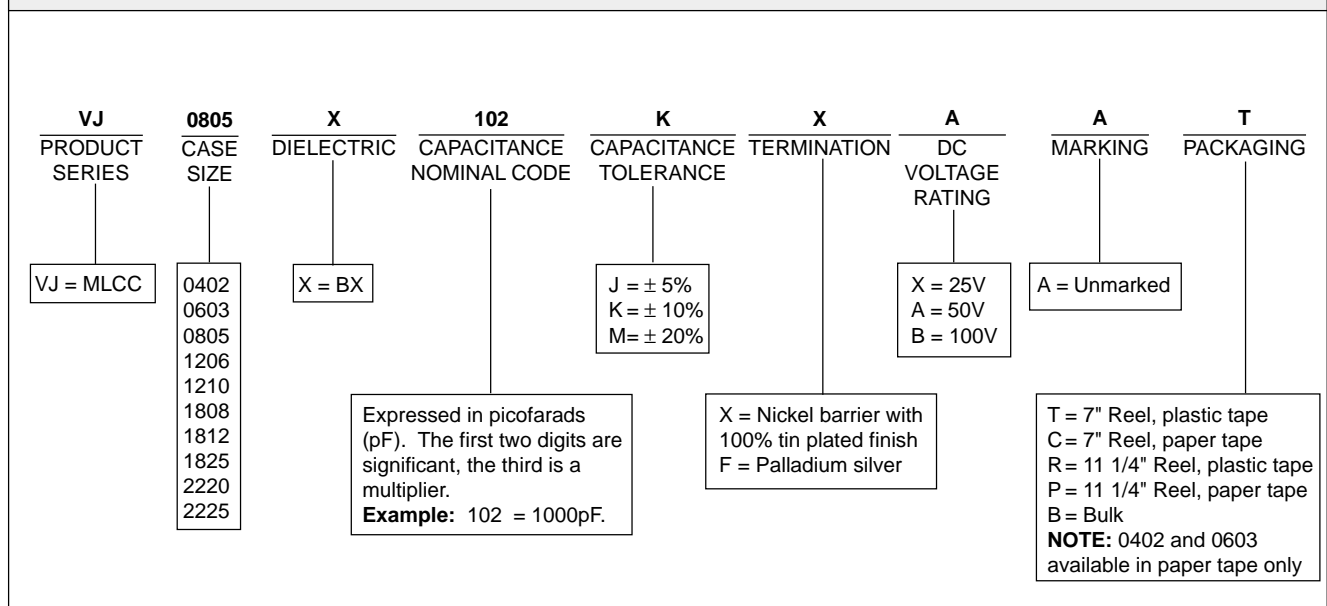
@ + 125°C and rated voltage 10,000 Megohms minimum or 100 ohm-farads, whichever is less.

Dielectric Withstanding Voltage (DWV):

250% of rated voltage for 5 ± 1 seconds, 50 milliamps current maximum.

Aging Rate: 1% maximum per decade.

ORDERING INFORMATION





BX DIELECTRIC																													
STYLE	VJ0402		VJ0603		VJ0805			VJ1206			VJ1210			VJ1808			VJ1812*			VJ1825*			VJ2220*		VJ2225*				
E.I.A. TYPE	0402		0603		0805			1206			1210			—			1812			1825			—		—				
VOLTAGE (Vdc)	25	50	25	50	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	25	50	100	50	100	25	50
Capacitance Code	Capacitance																												
101	100pF																												
121	120pF																												
151	150pF																												
181	180pF																												
221	220pF																												
271	270pF																												
331	330pF																												
391	390pF																												
471	470pF																												
561	560pF																												
681	680pF																												
821	820pF																												
102	1000pF																												
122	1200pF																												
152	1500pF																												
182	1800pF																												
222	2200pF																												
272	2700pF																												
332	3300pF																												
392	3900pF																												
472	4700pF																												
562	5600pF																												
682	6800pF																												
822	8200pF																												
103	.010µF																												
123	.012µF																												
153	.015µF																												
183	.018µF																												
223	.022µF																												
273	.027µF																												
333	.033µF																												
393	.039µF																												
473	.047µF																												
563	.056µF																												
683	.068µF																												
823	.082µF																												
104	.10µF																												
124	.12µF																												
154	.15µF																												
184	.18µF																												
224	.22µF																												
274	.27µF																												
334	.33µF																												
394	.39µF																												
474	.47µF																												
564	.56µF																												
684	.68µF																												
824	.82µF																												
105	1.0µF																												
125	1.2µF																												
155	1.5µF																												
185	1.8µF																												
225	2.2µF																												
275	2.7µF																												

*See page 61 for soldering recommendations.



BX DIELECTRIC - TYPICAL PARAMETERS

