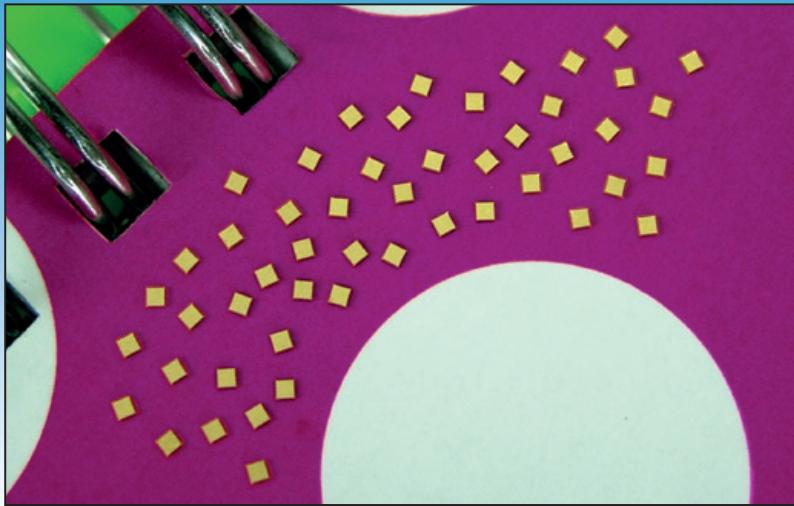


Border Cap® Single Layer Capacitor



Test Level Codes

Commercial Level	
Y	1% AQL 2-Side Visual
X	100% 4-Side Visual 1% AQL Electrical (CAP/DF/IR & DWV)

High Reliability

A	MIL-PRF-49464 Group A
	<ul style="list-style-type: none"> • 100% Thermal Shock • 100% Voltage Conditioning • 100% Electrical (CAP/DF/IR & DWV) • 100% 6-Side Visual • Bond Strength • Die Shear • Temperature Coefficient
B	MIL-PRF-49464 Group B
	<ul style="list-style-type: none"> • MIL-PRF-49464 Group A • Immersion • Low Voltage Humidity • Life
D	• Customer Defined
	• 6-Side Visual

Tolerance	
Code	Description
A	$\pm 0.05\text{pF}$
B	$\pm 0.1\text{pF}$
C	$\pm 0.25\text{pF}$
D	$\pm 0.50\text{pF}$
K	$\pm 10\%$
L	$\pm 15\%$
M	$\pm 20\%$
X	GMV (Guarantee Minimum Value)
Z	+80%, -20%

Border Caps need to have a tolerance that is effectively 10%.

Voltage	
Code	Voltage
2	25 Volts
5	50 Volts
1	100 Volts

Configuration	
Code	Description
B	Single-Sided
E	Double-Sided

Description

SLC with recessed metallization, available with borders on one or both sides.

Recessed metallization have been designed to minimize the potential of shorting during attachment (epoxy or solder).

- Available from 0.03pF to 2400pF
- Operating frequency up to 100GHz
- Wire Bondable:
100μ" Au with a Ni Barrier Layer
- 25, 50 and 100 Volt options
- Customized designs are available, please contact sales office

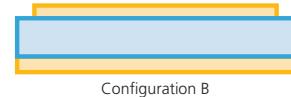
Applications

- DC Blocking
- RF Bypassing
- Filtering
- Tuning
- Coupling

Benefits

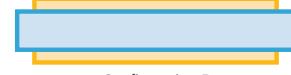
- Eliminates rollback and burrs
- Improved vision recognition
- Tighter control on dimensions
- Facilitates pick and place – thus reducing handling damage

Border Cap®



Configuration B

Double Border Cap®



Configuration E



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