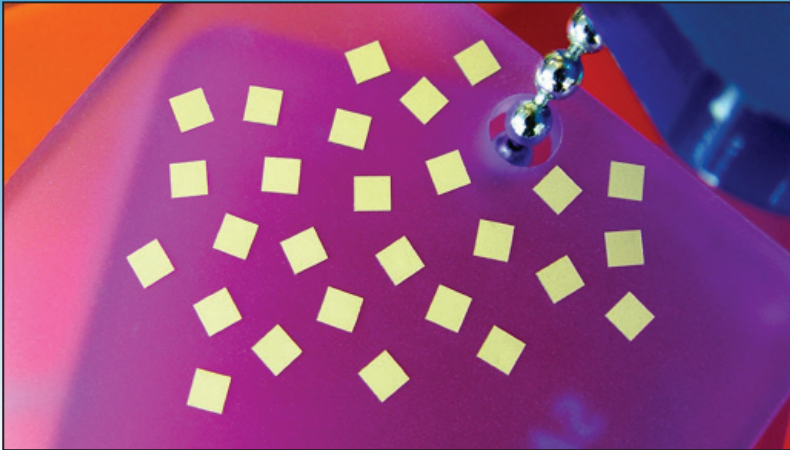


Single Layer Capacitor



Description

High Performance Single Layer Capacitors for RF, Microwave and Millimeter Wave Applications.

- Available from 0.03pF to 10,000pF
- Operating frequency up to 100GHz
- Wire Bondable
100μ" Au with a Ni Barrier Layer
- Customized solutions available

Applications

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

Benefits

- ESD Proof
- Gold metallization for wire bonding
- Rugged construction

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 <ul style="list-style-type: none"> ● MIL-PRF-49464 Group A ● Immersion ● Low Voltage Humidity ● Life
	D <ul style="list-style-type: none"> ● Customer Defined
	E <ul style="list-style-type: none"> ● 6-Side Visual

Tolerance	
Code	Description
P	± 0.01pF
A	± 0.05pF
B	± 0.1pF
C	± 0.25pF
D	± 0.50pF
G	± 2%
J	± 5%
K	± 10%
L	± 15%
M	± 20%
X	GMV (Guarantee Minimum Value)
Z	+80%, -20%

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

Part Number Identification

D	10	CF	OR1	B	5	P	X	
Product D = Di-Cap®	Case Size 10 12 15 20 25 30 35 50 70 90	Material See material tables.	Capacitance (pF) R02 = 0.02pF OR5 = 0.5pF 1R0 = 1.0pF 5R1 = 5.1pF 100 = 10pF 101 = 100pF 432 = 4300pF Refer to Capacitance range tables for available values. Consult an inside sales rep. for custom solutions.	Tolerance A = ± 0.05pF B = ± 0.10pF C = ± 0.25pF D = ± 0.5pF F = ± 1% G = ± 2% J = ± 5% K = ± 10% L = ± 15% M = ± 20% Z = +80% -20%	Voltage 2 = 25V 5 = 50V 1 = 100V	Termination P = Ni / Au T = Ni / AuSn M = Au L = Single Beam Lead A = Axial Beam Lead S = Standing Axial Beam Lead	Test Level Y, X, A, B, D and E. See test level definitions.	Packaging T = Tape and Reel Leave blank for generic waffle pack.

*For custom designs contact applications engineering.



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