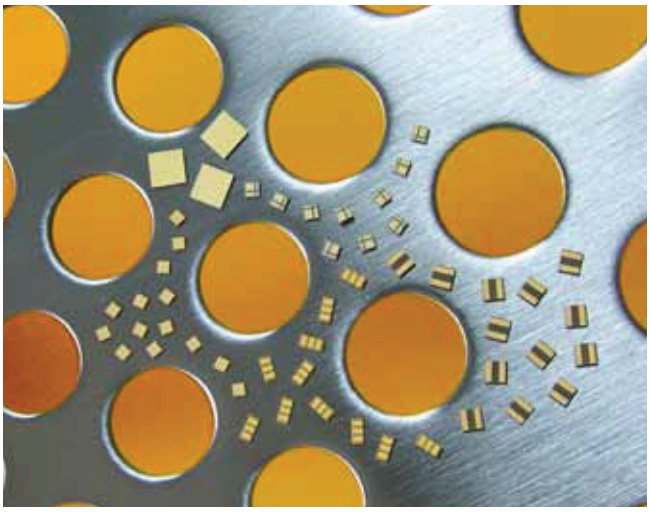
SLC - Dielectric Information

Single Layer Capacitors are available with any of our proprietary dielectric materials in the following configurations:

Border Cap®
Di-Cap®
Bar Cap®
Bi-Cap®
Gap Cap®
T-Cap®

Please consult the following pages for part number identification.



DLI Class I Dielectric Materials

Dielectric Code	Relative ξr @ 1 MHz	Temperature Coefficient -55°C to 125°C (ppm/°C Max)	1 MHz Dissipation Factor (% Maximum)	25°C Insulation Resistance (MΩ)	125°C Insulation Resistance (MΩ)
PI	9.9	P105 ± 20	0.15	>106	>105
PG	13	P22 ± 30	0.15	>106	>105
AH	20	P90 ± 20	0.15	>106	>105
CF	24	0 ± 15	0.60	>106	>105
NA	22	N30 ± 15	0.15	>106	>105
CD	37	N20 ± 15	0.15	>106	>105
NG	43	N220 ± 60	0.25	>106	>105
CG	70	0 ± 30	0.70	>106	>105
DB	72	N50 ± 30	0.15	>106	>105
NP	85	N750 ± 200	0.50	>104	>103
NR	160	N1500 ± 500	0.25	>106	>105
NS	300	N2400 ± 500	0.70	>106	>105
NU	600	N3700 ± 1000	1.50	>106	>105
NV	900	N4700 ± 1000	1.20	>106	>105

DLI Class II Dielectric Materials

Dielectric Code	Relative ξr @ 1 MHz	Temperature Coefficient -55°C to 125°C (ppm/°C Max)		1 MHz Dissipation Factor (% Maximum)	25°C Insulation Resistance (MΩ)	125°C Insulation Resistance (MΩ)
		No Bias, Pre Voltage Conditioning	No Bias, Post Voltage Conditioning			
BF*	445	±7.5	±10	2.5	>104	>102
BD	700	±10	±15	2.5	>104	>103
BG*	900	±10	±15	2.5	>104	>103
BC	1300	±10	±15	2.5	>104	>103
BE	1250	±10	±15	2.5	>104	>103
BL	2000	±15	±25	2.5	>105	>104
BJ	3300	±10	±15	3.0	>105	>104
BN	4500	±15	±25	3.0	>105	>104

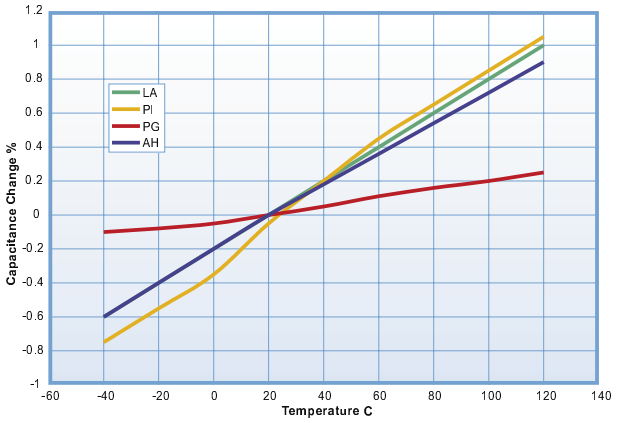
DLI Class III Dielectric Materials

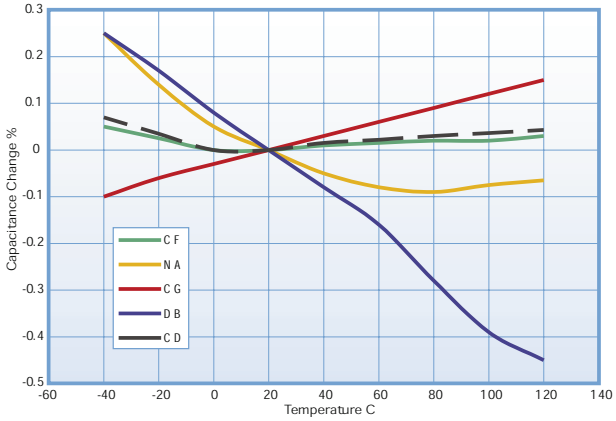
BT*	4200	+22, -56% (-55°C to 105°C)	+22, -56% (-55°C to 105°C)	3.0	>105	>102
BU	8500	+22, -82% (10°C to 85°C)	+22, -82% (10°C to 85°C)	3.0	>105	>104
BV	13,500	+22, -82% (10°C to 85°C)	+22, -82% (10°C to 85°C)	3.0	>105	>104
UX	25,000	±15%	±25%	2.5	>103	>102

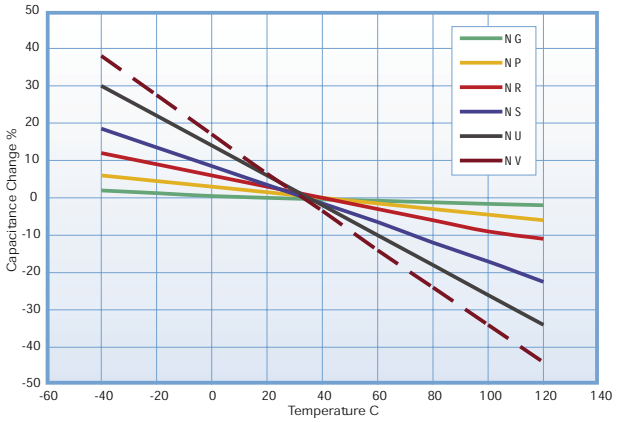
* Recommended for commercial use only. Please contact an inside sales representative for additional information.

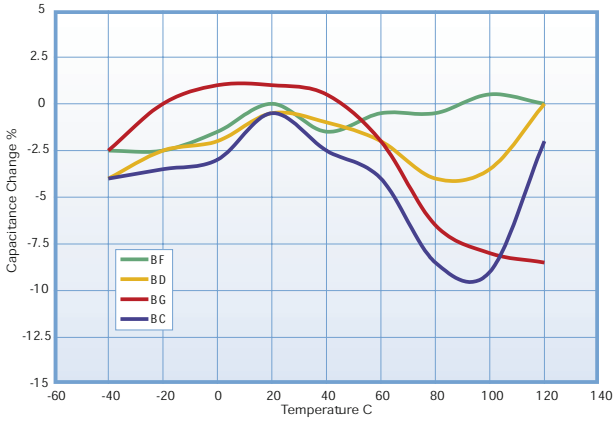
SLC - Dielectric Information

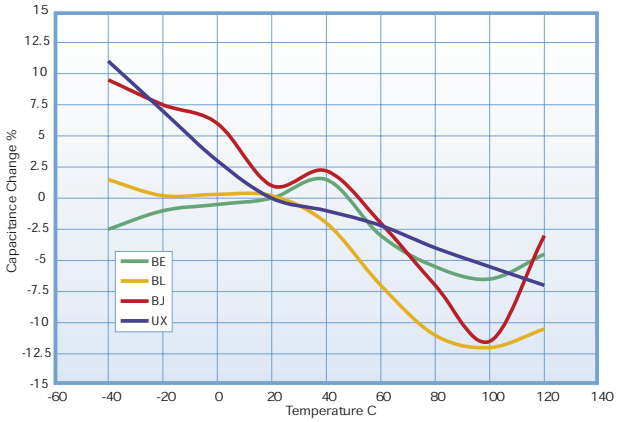
Dielectric Temperature Characteristics

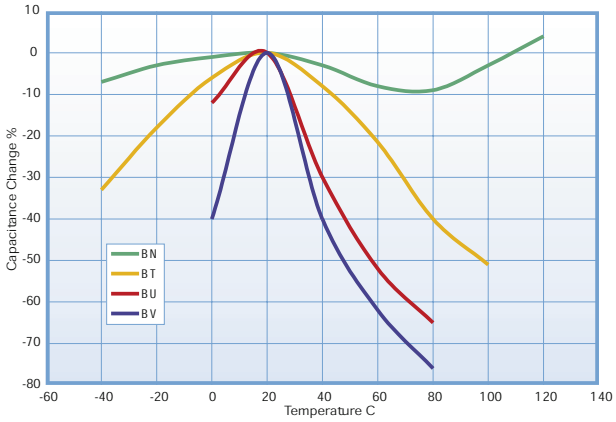












Dielectric Aging Characteristics