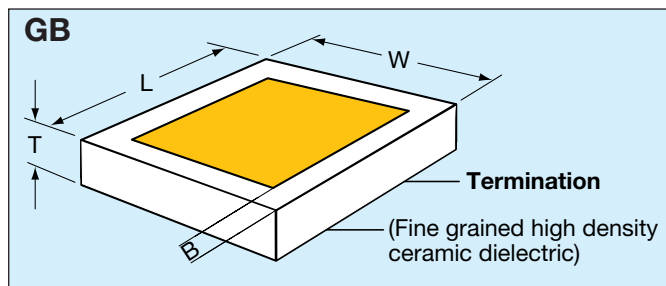
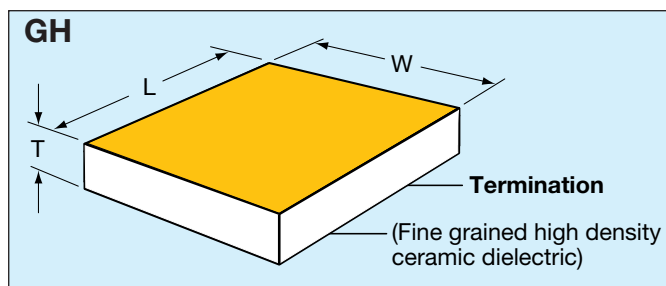


Microwave Maxi Series



With and without Borders



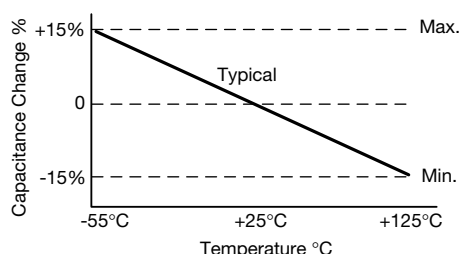
GENERAL INFORMATION

MAXI/SLC's are a thin film gold metallized (100 micro inches) ceramic capacitors uniquely suited for stripline width matching in microwave integrated circuitry offering the industry's highest capacitance per area SLC's. L&W sizes range from .010" to .100".

AVX MAXI/SLC'S FEATURES

- Capacitance change $\pm 15\%$ from -55°C to $+125^{\circ}\text{C}$ typical
- Gold terminations 100 μ inches over barrier layer
- Excellent bond strength (MIL-STD-883, method 2011.7)
- Available with and without borders

CAPACITANCE CHANGE WITH TEMPERATURE (X7R) $\pm 15\%$ FROM -55°C to $+125^{\circ}\text{C}$



HIGH CAPACITANCE SINGLE LAYER CAPACITORS

Rated Voltage = 50VDC IR (typical) = 10,000 M Ω
D.F. = 2.5% at 1VRMS and 1kHz

HOW TO ORDER

GH	01	5	8	101	M	A	6N
Type Code	Case Size	Working Voltage Code	Dielectric Code	Capacitance	Capacitance Tolerance Code	Termination Code	Packaging Code
GH = No Border GB = With Border	01 02 03 04 05 06 OS = Special	5 = 50VVDC	8 = Maxi/SLC (K=20,000) 9 = Maxi-Plus (K=30,000)	EIA Capacitance Code in pF. First two digits = significant figures. Third digit = number of zeros.	K = $\pm 10\%$ M = $\pm 20\%$ STD Z = $+80\%$ -20% P = $+100\%$ -0%	A = 99.99% pure sputtered gold over Titanium Tungsten. (~1000 Å thickness). Other terminations available upon request.	6N = Antistatic Waffle Pack

Maxi Evaluation Kit available.

Contact your AVX representative.

Microwave Maxi SLC's



Capacitance Ratings

MAXI SINGLE LAYER CAPACITORS TYPE GH WITHOUT BORDERS

Nominal Size/Capacitance (pF)/Tolerance Specifications **DIMENSIONS:** inches (millimeters)

AVX Style	GH01	GH02	GH03	GH04	GH05	GH06
(L) Length	.015±.005 (.381±.127)	.025±.005 (.635±.127)	.035±.005 (.889±.127)	.050±.010 (1.27±.254)	.070±.010 (1.78±.254)	.090±.010 (2.29±.254)
(W) Width	.015±.005 (.381±.127)	.025±.005 (.635±.127)	.035±.005 (.889±.127)	.050±.010 (1.27±.254)	.070±.010 (1.78±.254)	.090±.010 (2.29±.254)
(T) Thickness	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)

Cap. pF	Cap. Code	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+
68	680												
75	750												
82	820												
100	101												
120	121												
150	151												
220	221												
270	271												
330	331												
390	391												
470	471												
560	561												
680	681												
750	751												
820	821												
1000	102												
1200	122												
1500	152												
1800	182												
2200	222												
2700	272												
3300	332												
3900	392												
4700	472												
5600	562												
6200	622												
6800	682												
7500	752												
8200	822												
10,000	103												

MAXI SINGLE LAYER CAPACITORS TYPE GB WITH BORDERS

Nominal Size/Capacitance (pF)/Tolerance Specifications **DIMENSIONS:** inches (millimeters)

AVX Style	GB01	GB02	GB03	GB04	GB05	GB06
(L) Length	.015±.005 (.381±.127)	.025±.005 (.635±.127)	.035±.005 (.889±.127)	.050±.010 (1.27±.254)	.070±.010 (1.78±.254)	.090±.010 (2.29±.254)
(W) Width	.015±.005 (.381±.127)	.025±.005 (.635±.127)	.035±.005 (.889±.127)	.050±.010 (1.27±.254)	.070±.010 (1.78±.254)	.090±.010 (2.29±.254)
(T) Thickness	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)	.007±.002 (.178±.051)
(B) Border	.002±.001 (.051±.025)	.002±.001 (.051±.025)	.002±.001 (.051±.025)	.002±.001 (.051±.025)	.002±.001 (.051±.025)	.002±.001 (.051±.025)

Cap. pF	Cap. Code	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+	Maxi	Maxi+
51	510												
56	560												
68	680												
75	750												
82	820												
100	101												
120	121												
150	151												
220	221												
270	271												
330	331												
390	391												
470	471												
560	561												
680	681												
750	751												
820	821												
1000	102												
1200	122												
1500	152												
1800	182												
2200	222												
2700	272												
3300	332												
3900	392												
4700	472												
5600	562												
6200	622												
6800	682												
7500	752												
8200	822												
9100	912												

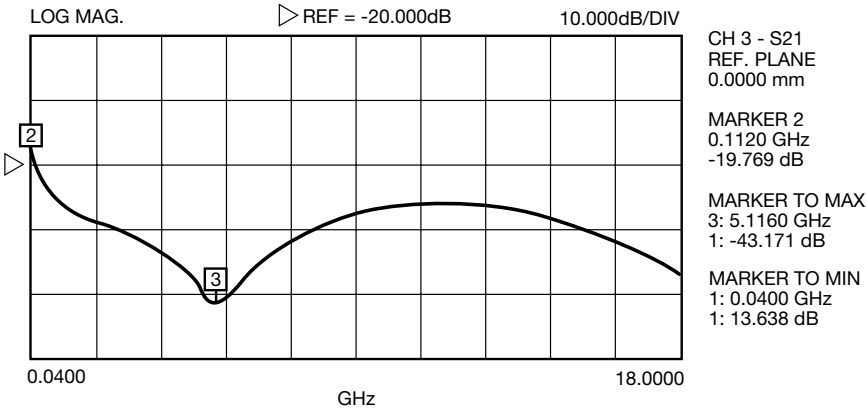
Microwave Maxi SLC's



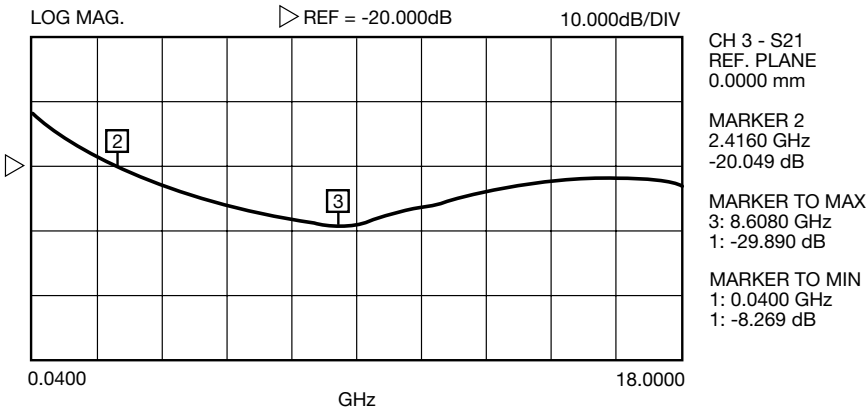
Performance Curves

S21 Forward Transmission Shunt Mode
Temperature Coefficient $\pm 15\%$ (-55°C to $+125^{\circ}\text{C}$)

Capacitance Value 1000 pF
SIZE L=.040" W=.040" T=.007"



Capacitance Value 470 pF
SIZE L=.027" W=.027" T=.007"



Capacitance Value 150 pF
SIZE L=.017" W=.017" T=.007"

