

# Microwave SLCs

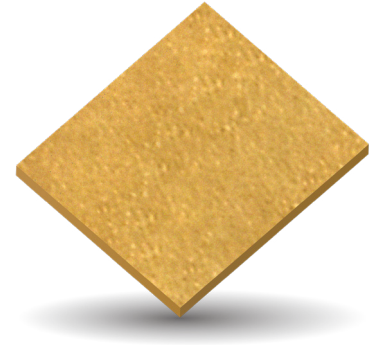
## ULTRA MAXI Series

The Ultra Maxi Series is the latest addition to the AVX family of proprietary high k, intergranular barrier layer dielectric systems. This series is similar to our Maxi & Maxi+ product offerings, but with the notable difference that the dielectric constant has been increased to 60,000 - double the previous high for our industry leading GBBL formulations.

These new Single Layer Ceramic Capacitors, with X7R TCC and rated at 25VDC (-55°C thru +125°C), set a new standard for circuit miniaturization. On average, the required board mounting area will be reduced by approximately two-thirds when compared to an equivalent capacitance value for our Maxi+ series. The Ultra Maxi series offers an ideal solution for broadband bypass applications where high performance and the smallest footprint are the primary considerations.

The Ultra Maxi Series is RoHS compliant - as are all AVX SLC products. Terminations (Au over Ti/W) provide an excellent wire bonding surface and are compatible with conductive epoxy and Au/Sn eutectic solder attach.

Samples and custom configurations are available on request.



inches (millimeters)

Style	Length x Width ±.003" (0.076)	Capacitance (pF)	
		Min	Max
GD10	.010 x .010 (.254 x .254)	200	300
GD15	.015 x .015 (.381 x .381)	300	600
GD20	.020 x .020 (.508 x .508)	550	1000
GD25	.025 x .025 (.635 x .635)	900	1500
GD30	.030 x .030 (.762 x .762)	1400	2000
GD35	.035 x .035 (.889 x .889)	1900	2700
GD40	.040 x .040 (1.016 x 1.016)	2600	3500
GD45	.045 x .045 (1.143 x 1.143)	3300	4400
GD50	.050 x .050 (1.270 x 1.270)	4200	5400
GD55	.055 x .055 (1.397 x 1.397)	5100	6500
<b>Thickness: .0065±.001 (.165±.025)</b>			

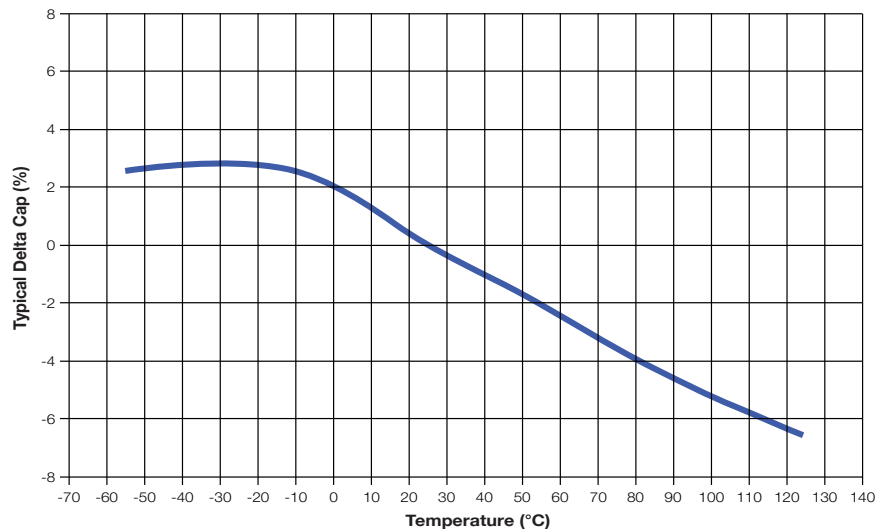
Sample kits are available

[ULTRA MAXI KIT Catalog # KITSLCK60KSAMPL](#)

includes 10 each:

GD1030301ZAW, GD1530601ZAW,  
GD2030102ZAW, GD3030202ZAW

Capacitance Change with Temperature



### HOW TO ORDER

**GD**  
Type Code

**20**  
L&W (mils)

**3**  
Rated Voltage  
3 = 25 VDC

**0**  
Dielectric  
0 = Ultra Maxi  
(k = 60,000)

**102**  
Capacitance  
EIA Cap Code in pF

**Z**  
Capacitance Tolerance  
M = ±20%  
Z = +80 -20%

**A**  
Termination  
Au (100 μ-in) over  
Ti/W (1000Å)

**6N**  
Packaging  
Antistatic Waffle Pack (400 per)

