

# Microwave SLCs

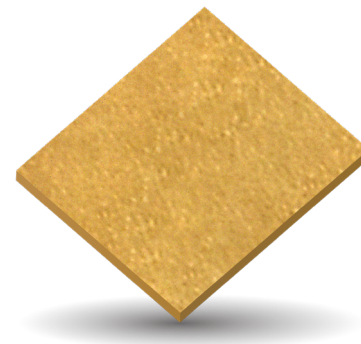
## ULTRA MAXI Series

The Ultra Maxi Series is the latest addition to the AVX family of proprietary high k, inter-granular 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
Thickness: .0065±.001 (.165±.025)			

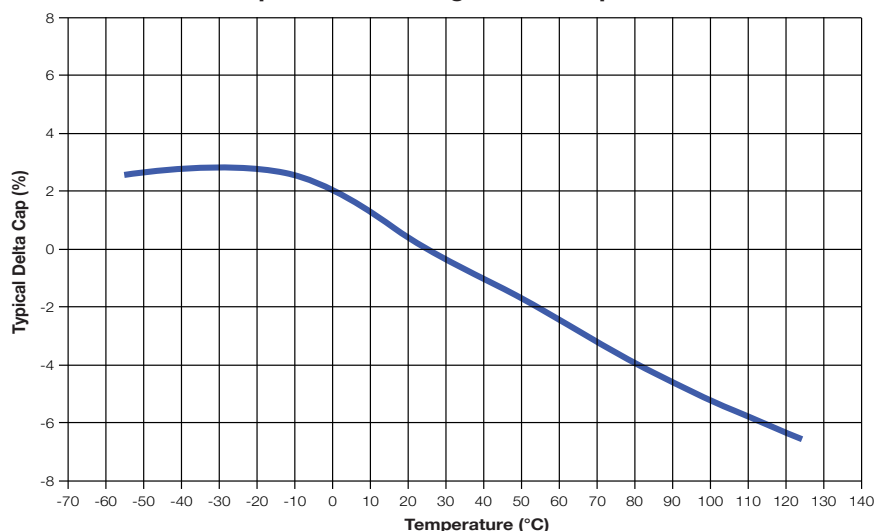
Sample kits are available

[ULTRA MAXI KIT Catalog # KITSCLK60KSAMPL](#)

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)

