

Microwave SLCs

ULTRA MAXI Series

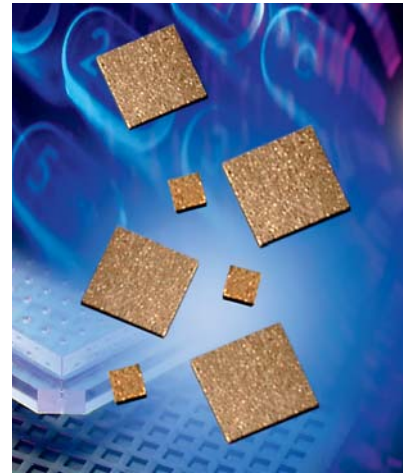


The Ultra Maxi Series is the latest addition to the AVX family of proprietary high k, intergranular barrier layer dielectric systems. This series is similar to our Maxi and Maxi+ product offerings, but with the notable difference that the dielectric constant has been increased to 60,000 – double the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

These new Single Layer Ceramic Capacitors – available in voltage ratings of 6.3, 16 and 25 VDC – 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 in 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 or Au/Sn eutectic solder attach.

Samples and custom configurations are available on request.

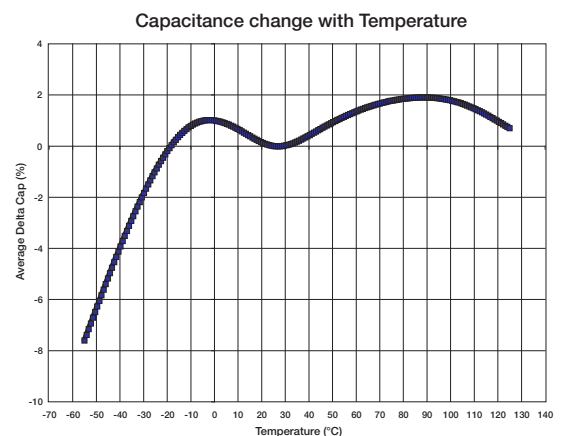


Style	Length x Width millimeters (inches)	Capacitance (pF)		
		6.3 VDC	16 VDC	25 VDC
GD10	.254 x .254 (.010 x .010)	300	220	180
GD15	.381 x .381 (.015 x .015)	650	500	400
GD20	.508 x .508 (.020 x .020)	1200	900	740
GD25	.635 x .635 (.025 x .025)	1800	1400	1200
GD30	.762 x .762 (.030 x .030)	2700	2000	1600
GD35	.889 x .889 (.035 x .035)	3600	2700	2200
GD40	1.016 x 1.016 (.040 x .040)	4800	3700	3000
GD45	1.143 x 1.143 (.045 x .045)	6000	4600	3800
GD50	1.270 x 1.270 (.050 x .050)	7500	5700	4700
GD55	1.397 x 1.397 (.055 x .055)	10000	7500	6200
Thickness:		.102 - .140 (.0040 - .0055)		.127 - .152 (.005 - .006)
L & W Tolerance:		±.051 (±.002)		

ELECTRICAL CHARACTERISTICS

Dielectric Withstanding Voltage:	2.5 x Rated Voltage
IR @ Rated Voltage @ 25°C:	10,000 Megohms
IR @ Rated Voltage @ 125°C:	500 Megohms
Dissipation Factor @ 1 KHz:	2.5% Max
Temperature Coefficient:	±15% from -55° to +125°C

NOTE: All GD styles packaged 400 pieces per except GD15 which is packaged 484 per



HOW TO ORDER

GD	25	6	0	182	Z	A	W
Style	L/W (mils)	Voltage 6.3V = 6 16V = Y 25V = 3	Dielectric 0 = Ultra Maxi	Capacitance Code (pF)	Capacitance Tolerance M = ±20% Z = +80%, -20%	Termination (Sputtered) Au (100 μ-in) over Ti/W (1000Å)	Packaging Code Antistatic Waffle Pack