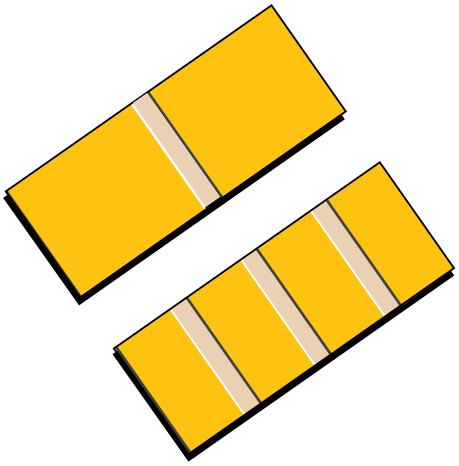
Microwave Multi-Cap SLC's

Multi-Cap Series



GENERAL INFORMATION

AVX Multi-Cap Arrays are available with 2, 3, 4, 5 or 6 capacitors on one single layer capacitor substrate using standard Maxi dielectrics. The arrays offer reduced size and reduced handling from individual capacitors. The parts shown along with the capacitance values available represent typical parts. Custom designs are available to meet individual customer requirements.

HOW TO ORDER

GH	B	5	5	8	102	P	A	6N
Type	**Array Code** B=2 C=3 D=4 E=5 F=6	**Size Code** 2=.020" W Y=.025" W 3=.030" W 4=.040" W 5=.050" W S=Special	**Working Voltage Code** 5 = 50WVDC (Std. for Maxi & Maxi Plus) 1 = 100WVDC	**Dielectric Code** 8=Maxi 9=Maxi Plus A B=X7U	**Capacitance** EIA Capacitance Code in pF. First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.	**Capacitance Tolerance Code** P = +100% -0% Other tolerances available upon request.	**Termination Code** A = 99.99% pure sputtered gold over Titanium Tungsten (~ 1000Å thickness). Other terminations available upon request.	**Packaging Code** 6N = Antistatic Waffle Pack

GHB SERIES: DUAL CAP SINGLE LAYER CAPACITORS

inches (millimeters)

			GHB2 L= 0.050±0.010 (1.25±.254) W= 0.020±0.005 (.508±.127) T= 0.007±0.003 (.178±.076) Gap= 0.010±0.005 (.254±.127)	GHBY L= 0.080±0.015 (2.03±.381) W= 0.025±0.005 (635±.127) T= 0.007±0.003 (.178±.076) Gap= 0.010±0.005 (.254±.127)	GHB3 L= 0.080±0.015 (2.03±.381) W= 0.030±0.010 (.762±.254) T= 0.007±0.003 (.178±.076) Gap= 0.010±0.005 (.254±.127)	GHB4 L= 0.080±0.015 (2.03±.381) W= 0.040±0.010 (1.02±.254) T= 0.007±0.003 (.178±.076) Gap= 0.010±0.005 (.254±.127)	GHB5 L= 0.080±0.015 (2.03±.381) W= 0.050±0.010 (1.27±.254) T= 0.007±0.003 (.178±.076) Gap= 0.010±0.005 (.254±.127)
Dielectric Code	**"K" Factor**	**Capacitance Tolerance**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**
Maxi	20,000	P = 100% -0%	320	650	750	900	1250
Maxi-Plus	30,000	P = 100% -0%	480	975	1025	1350	1875
A	80	P = 100% -0%	1.5	3.0	3.5	4.0	6.0
B	5000	P = 100% -0%	130	270	330	390	510

GH–SERIES: MULTI-CAP ARRAY SINGLE LAYER CAPACITORS MAXIMUM CAPACITANCE PER EACH CAPACITOR PAD, pF

			GH*2	GH*Y	GH*3	GH*4
		Array Code (C) for: 3 Cap Arrays	0.065±0.015 (1.65±.381)	0.065±0.015 (1.65±.381)	0.065±0.015 (1.65±.381)	0.065±0.015 (1.65±.381)
		Array Code (D) for: 4 Cap Arrays	0.085±0.015 (2.16±.381)	0.085±0.015 (2.16±.381)	0.085±0.015 (2.16±.381)	0.085±0.015 (2.16±.381)
		Array Code (E) for: 5 Cap Arrays	0.105±0.015 (2.68±.381)	0.105±0.015 (2.68±.381)	0.105±0.015 (2.68±.381)	0.105±0.015 (2.68±.381)
		Array Code (F) for: 6 Cap Arrays	0.125±0.020 (3.18±.508)	0.125±0.020 (3.18±.508)	0.125±0.020 (3.18±.508)	0.125±0.020 (3.18±.508)
		Width	0.020±0.005 (.508±.127)	0.025±0.010 (.635±.254)	0.030±0.010 (.762±.254)	0.040±0.010 (1.02±.254)
		Pad Size	0.020x0.015 (.508±.381)	0.025x0.015 (.635±.381)	0.030x0.015 (.762±.381)	0.040x0.015 (1.02±.381)
		All Arrays Gap Size-0.010±0.005 (.254±.127)				
Dielectric Code	**"K" Factor**	**Minimum Capacitance Tolerance**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**	**Max. Cap Per Pad (pF)**
Maxi	20,000	P = 100% -0%	200	250	300	400
Maxi-Plus	30,000	P = 100% -0%	300	375	450	600
A	80	P = 100% -0%	0.9	1.1	1.25	1.75
B	5000	P = 100% -0%	60	75	90	120