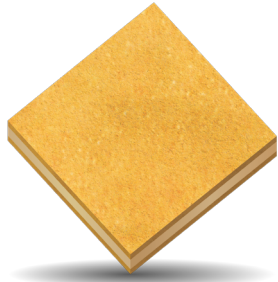


Microwave SLCs

GH Series – SLC's Without Borders

NP0, Temp Compensating & X7R Dielectrics



GENERAL INFORMATION

In addition to the standard SLC products shown below, KYOCERA AVX is now able to offer bordered versions in these same dielectric families as detailed on the opposing page utilizing micron resolution photolithography and etching processes.

With borders precisely defined, these parts will be beneficial in those applications that require enhanced visual definition during placement and wire bonding. Additionally, bordered devices have proven effective in reducing susceptibility to conductive epoxy electrode bridging.

Custom designs to meet stringent circuit trace width matching requirements are available upon request.

GH SERIES: SINGLE LAYER CAPACITORS WITHOUT BORDERS NP0, TEMPERATURE COMPENSATING & X7R DIELECTRICS

	GH16			GH18			GH26			GH35		
(L) Length / (W) Width	0.015±0.003 (0.381±0.076)			0.018±0.003 (0.457±0.076)			0.025±0.005 (0.635±0.127)			0.035±0.005 (0.889±0.127)		
(T) Thickness	0.0045-0.012 (0.114-0.305)											
	Cap (pF)			Cap (pF)			Cap (pF)			Cap (pF)		
Dielectric	Min	Max	Tol	Min	Max	Tol	Min	Max	Tol	Min	Max	Tol
A	0.06	0.2	A	0.08	0.2	A	0.2	0.4	A,B	0.4	0.9	A,B,C
1	0.2	0.5	A,B	0.2	0.5	A,B	0.4	1	A,B,C	0.7	2	A,B,C,D
2	0.3	1	B,C	0.4	1.1	A,B,C,D	0.8	2	B,C,D	1.5	3.9	B,C,D
3	0.6	2	C,D	0.8	2.2	B,C,D	1.5	4.3	C,D	3	8.2	C,D
5	0.7	2.7	C,D	1	2.7	C,D	2	5.6	C,D	3.9	11	D,J,K,M
4	0.8	3	C,D	1.2	3.6	C,D	2.4	6.8	C,D	4.7	13	D,J,K,M
7	1.5	5.6	D,K,M	2.2	6.2	D,J,K,M	4.3	12	D,J,K,M	8.2	22	J,K,M
Y	2.7	10	K,M	4.3	11	D,J,K,M	7.5	22	J,K,M	15	43	J,K,M
6	2.7	10	K,M	4.3	11	D,J,K,M	7.5	22	J,K,M	15	43	J,K,M
J	4.7	18	K,M	6.8	18	J,K,M	13	36	J,K,M	27	75	J,K,M
F	8.2	33	K,M	13	36	J,K,M	24	68	J,K,M	47	130	J,K,M
C	18	55	K,M	30	75	J,K,M	56	150	J,K,M	110	250	J,K,M
G	27	91	M	39	100	M	75	200	M	150	390	M
K	36	130	M	56	130	M	110	270	M	220	510	M
L	62	220	M	91	20	M	180	510	M	390	1000	M

	GH50			GH70			GH90		
(L) Length / (W) Width	0.050±0.010 (1.27±0.254)			0.070±0.010 (1.78±0.254)			0.090±0.010 (2.29±0.254)		
(T) Thickness	0.0045-0.012 (0.114-0.305)								
	Cap (pF)			Cap (pF)			Cap (pF)		
Dielectric	Min	Max	Tol	Min	Max	Tol	Min	Max	Tol
A	0.6	2	A,B,C	1.3	3.8	A,B,C	2.2	5.6	A,B,C
1	1.5	4.7	B,C,D	3	8.2	B,C,D	5.1	13	C,D
2	2.7	9.1	C,D	6.2	16	D,G,J,K,M	10	25	G,J,K,M
3	5.6	20	D,G,J,K,M	12	36	G,J,K,M	22	56	G,J,K,M
5	6.8	24	D,G,J,K,M	15	43	G,J,K,M	27	68	G,J,K,M
4	8.2	30	G,J,K,M	20	55	G,J,K,M	33	82	G,J,K,M
7	15	51	G,J,K,M	33	91	G,J,K,M	56	150	G,J,K,M
Y	27	100	G,J,K,M	62	180	G,J,K,M	110	270	G,J,K,M
6	27	100	G,J,K,M	62	180	G,J,K,M	110	270	G,J,K,M
J	47	160	J,K,M	100	300	J,K,M	180	470	J,K,M
F	82	300	J,K,M	220	550	J,K,M	330	820	J,K,M
C	180	600	J,K,M	430	1000	J,K,M	750	1700	J,K,M
G	240	910	M	560	1600	M	1000	2400	M
K	360	1200	M	910	2200	M	1500	3300	M
L	620	2200	M	1500	3900	M	2400	6200	M

DIMENSIONS: inches (millimeters)

HOW TO ORDER

GH Type Code GH = w/o borders	16 Case Code	5 Working Voltage Code 5 = 50WVDC 1 = 100WVDC	A Dielectric Code See Table	6R8 Capacitance Value EIA Cap Code in pF First two digits = significant figures or "R" for decimal place. Third digit = number of zeros or after "R" significant figures.	M Capacitance Tolerance A = ±0.05pF B = ±0.1pF C = ±0.25pF D = ±0.5pF G = ±2% J = ±5% K = ±10% M = ±20%	N Termination Code N = Ti/W-Ni-Au Au (100µ-in min) over Ni (1500Å nom) over Ti/W (500Å nom) A = Ti-W-Au	6N Packaging Code 6N = Waffle Pack
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