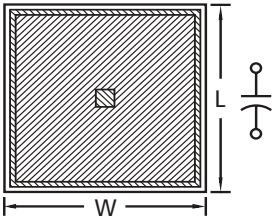


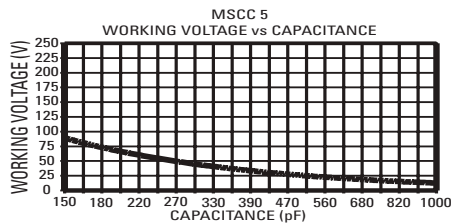
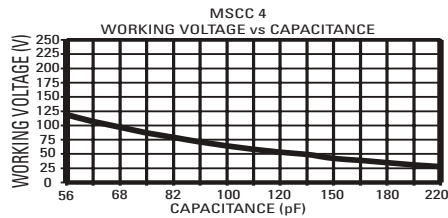
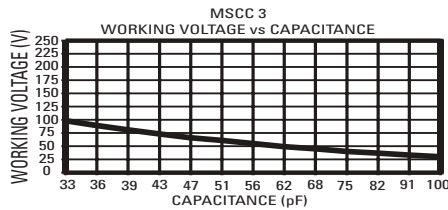
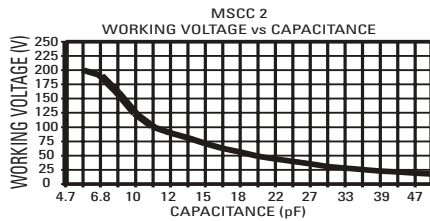
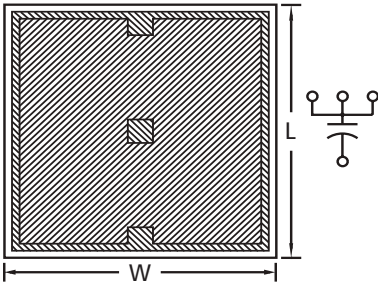
MOS STYLE CHIP CAPACITORS

MSCC SERIES

MSCC 2 - MSCC 4



MSCC 5



MSCC-2

SIZE	0.020" x 0.020" (±0.003") x 0.010" (±0.001")					
CAPACITANCE VALUES (pF)	4.7	5.6	6.8	8.2	10	11
	12	13	15	16	18	20
	22	24	27	30	33	36
	39	43	47	51		

TOLERANCES

pF	TOLERANCE(S)
4.7 - 10	±0.5pF
11 - 20	5%, 10%, 20%
21 - 51	2.5%, 5%, 10%, 20%

MSCC-3

SIZE	0.030" x 0.030" (±0.003") x 0.010" (±0.001")						
CAPACITANCE VALUES (pF)	33	36	39	43	47	51	56
	62	68	75	82	91	100	

TOLERANCES

pF	TOLERANCE(S)
33 - 100	2.5%, 5%, 10%, 20%

MSCC-4

SIZE	0.040" x 0.040" (±0.003") x 0.010" (±0.001")					
CAPACITANCE VALUES (pF)	56	62	68	75	82	91
	100	110	120	130	150	160
	180	200	220			

TOLERANCES

pF	TOLERANCE(S)
56 - 220	2.5%, 5%, 10%, 20%

MSCC-5

SIZE	0.055" x 0.055" (±0.003") x 0.010" (±0.001")					
CAPACITANCE VALUES (pF)	150	160	180	200	220	240
	270	300	330	360	390	430
	470	510	560	620	680	750
	820	910	1000			

TOLERANCES

pF	TOLERANCE(S)
150 - 1000	2.5%, 5%, 10%, 20%

COMMON SERIES DATA

SUBSTRATE
DIELECTRIC
BOND PAD
BACKSIDE
T.C.C.
OPERATING TEMPERATURE RANGE
DISSIPATION FACTOR
Q
INSULATION RESISTANCE
MOISTURE RESISTANCE

SILICON
SILICON OXIDE
GOLD STANDARD; ALUMINUM OPTIONAL
GOLD, SUITABLE FOR EUTECTIC OR CONDUCTIVE EPOXY ATTATCH
+45ppm/°C, ±25ppm/°C
-55°C TO +150°C
1KHz, 1Vrms, 25°C, 0.1%
1MHz, 50Vrms, 25°C, 1000 MIN.
@ WORKING VOLTAGE, 10⁹ Ω
MIL-STD 202, METHOD 106, Δ C:
±1pF OR 2% Δ C MAX., WHICHEVER IS GREATER
MIL-STD 202, METHOD 107, Δ C:
±0.5pF MAX., MSI TYPICAL ±0.1pF
150°C, 100 HRS., Δ C:
±0.5pF OR 1% Δ C MAX., WHICHEVER IS GREATER
1.5X WORKING VOLTAGE, 5 SEC., Δ C:
±0.5pF OR 1% Δ C MAX., WHICHEVER IS GREATER
1000 HRS., 70°C, @ WORKING VOLTAGE Δ C:
±2.5pF OR ±2.5% MAX. Δ C, WHICHEVER IS GREATER

THERMAL SHOCK

HIGH TEMPERATURE EXPOSURE

SHORT TERM OVERLOAD

STABILITY

PART NUMBER DESIGNATION

MSCC	X	SA	XXXX	X	X
SERIES	SIZE	TYPE	CAPACITANCE VALUE	TOL.	OPTION
	2		5-Digit Number: First 4 Digits Are Significant	*A = ±0.5pF H = 2.5%	E = Aluminum Pads G = Gold Pads
	3		With "R" As Decimal Point When Required.	J = 5%	
	4		5th Digit Represents Number of Zeros.	K = 10%	
	5			M = 20%	
				* Use for MSCC-2 4.7pF to 10pF	

EXAMPLE: MSCC5SA-510R0H-E = 0.055" x 0.055", Silicon Substrate, 510pF, ±2.5% Tol., Aluminum Pads

MSI
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508-695-0203 FAX: 508-695-6076

DCN TF 114-F-0306

CHIP
CAPACITORS