

SLC - Bar Cap®

Bar Caps are specifically designed for MMIC circuits requiring multiple capacitor applications, such as Multiple Decoupling or RF Bypassing Networks. Multiple capacitor array devices have become an integral circuit component due to their High Q and low inductance.

Description

Multiple Decoupling/Blocking Capacitors in a Single Array

- Can be integrated into IC package to reduce bond wire lengths and improve performance
- Single insertion reduces complexity and costs
- Simplified assembly

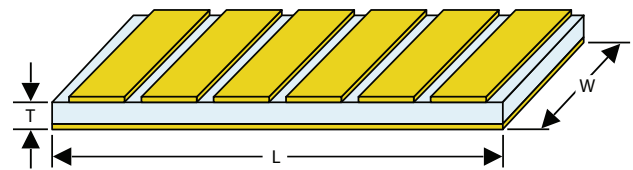
Functional Applications

- RF Bypass • DC Blocking for GaAs IC's • Decoupling



Bar Cap® Dimensions

Case size	No. Caps	W Width		L Length		Nom Pad Size	
		Inches (± 0.003)	mm (± 0.076)	Inches (±0.005)	mm (±0.127)	Inches	mm
E20	3	0.02	0.508	0.065	1.651	0.02	0.508
	4			0.085	2.159		
	6			0.125	3.175		
E25	3	0.025	0.635	0.065	1.651	0.025	0.635
	4			0.085	2.159		
	6			0.125	3.175		
E30	3	0.03	0.762	0.065	1.651	0.03	0.762
	4			0.085	2.159		
	6			0.125	3.175		
E40	3	0.04	1.016	0.065	1.651	0.04	1.016
	4			0.085	2.159		
	6			0.125	3.175		



Ultra High K, UX Dielectric 25 Volt Bar Cap® Capacitance Ranges (pF)

Case Size	No. Caps	Each Cap (pF) T Thickness	
		0.006"	0.010"
E20	3	340	-
	4		
	6		
E25	3	420	270
	4		
	6		
E30	3	500	320
	4		
	6		
E40	3	690	430
	4		
	6		

Class III, BU Dielectric 100 Volt Bar Cap® Capacitance Ranges (pF)

Case Size	No. Caps	Each Cap (pF) T Thickness
		0.007" (0.178mm)
E20	3	80
	4	
	6	
E25	3	100
	4	
	6	
E30	3	120
	4	
	6	
E40	3	150
	4	
	6	

Part Number Identification

E	40	BU	151	Z	1	P	X	4	
Product E = Bar Capacitors	Case Size 20 25 30 40	Material See material tables on Page 4.	Capacitance (pF) 800 = 80 pF 101 = 100 pF 121 = 120 pF 151 = 150 pF Consult an inside sales rep. for custom solutions.	Tolerance Z = +80% -20%	Voltage 2 = 25V 5 = 50V	Termination P = Ni / Au M = Au	Test Level Y or X See test level definitions on Page 6.	Capacitor Quantity In mils 3 4 6 Etc.	Packaging D = Black Dotted E = Repopulated T = Tape and Reel Leave blank for generic waffle pack. See packaging definitions on Page 7.

*Custom Solutions are available; however additional tooling costs may apply. Please contact the sales office for more information.