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The basic method for powe Providing a constant voltag of the changing current of ti instantaneous voltage char that the voltage is effectivel used method of stabilizat capacitor, having a capaci changes occurring with only voltage on the capacitor. At the capacitor must be done additional instantaneous vo requires that the used capa excessive delays the reacti requirements for decoupling distribution circuits.	Decoupling re decoupling the supply of the chip, rega he chip and independent ty stabilized. The only pro- ty stabilized and stable chang the same time, current cl ast enough so that there blage changes due to the actor (capacitor structure) on. This leads to bring ve g capacitors circuits and p	ardless y of the ce requires actically tity large current ges in hanges of e were no delay. This had no ry strict power	0
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	Film Capacitors			
Film Capacitors have series resistances considerably less than electrolytics but still have moderately large inductances. Their capacitance-to-volume ratio is less than electrolytics, and they are usually available in values up to a few microfarads.				
	The second			





Ceramic Capacitors			
ble shows the effect of lead length o all ceramic capacitors.	n the resonant frequency (in MHz) of		
	Self-Resonant Frequency		
Capacitance Value (pf)	1/2-in Leads		
10,000	12		
1000	35		
500	70		
	150		
100			
100 50	220		



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Multilayer Ceramic Capacitors (MLCCs)				
Multilayer ceramic capacitors ceramic material, often bariu electrodes as shown in the fit ends of the structure. This co parallel.	s (MLCCs) are composed of multiple layers of m titanite, separated by interdigitated metal gure. Contact to the electrodes is made at the onstruction effectively places many capacitors in			
	CERAMIC DELECTING TERMINATION			
MLCCs are excellent high-frequency capacitors and are commonly used for high-frequency filtering as well as digital logic decoupling applications.				
HUMAN CAPITAL HAMAN AD INCIDAN	Worksr University of Tachodage and State Conference of State Conference of State Conference of State Conference of State			





















































