



For 12v @500mA

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$$\text{Reactance } (X_c) = \frac{12}{0.12} = 598 \text{ Ohms}$$

$$\text{Capacitance } (C_s) = \frac{1}{2} * 3.14 * 50 * 598 = 5.3\mu\text{F}$$

TITLE: Sheet_1		REV: 1.0
	Company: Your Company	Sheet: 1/1
	Date: 2023-05-20	Drawn By: sagar saini