

In the given series RC circuit with AC lowrce.

$$R = 300 \Omega$$
,  $C = 25 \mu F$ ,  $E_0 = 50 V$ ,  $V = 50 Hz$ 
 $= 25 \times 10^{-6} F$ 
 $= 2\pi V$ 
 $= (2\pi)(50) \Rightarrow 100 \text{ rad}(5)$ 
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