رما دستر مر در مسل بالس ۱۹۸۱ه میری سر در مسل بالس

$$PRF = \frac{1}{T} = \frac{1}{5 \text{ (div)} \times 0.2 \times 10^3} = \frac{1}{5 \text{ ms}}$$

$$= 0.2 \times 10^3 = 200 \text{ PPS}$$

$$PW = 2 (div) \times ord (\frac{ms}{div}) = 2 ms$$

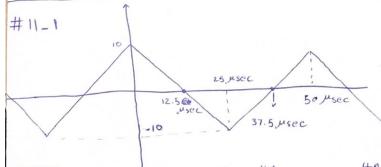
$$D.C = \frac{PW}{T} \times 100\% = \frac{2^{ms}}{100} \times 100 = 40\%$$

$$M/S = \frac{PW}{SW} = \frac{2^{ms}}{3 (div) \times 1 (\frac{ms}{div})} = \frac{2}{3} = 0.6$$

1. tilt = E1 = 2 = 3 - 2 x 100 = 40 1.

! 5-1 de comon (-

$$E = \frac{E_1 + E_2}{2} = \frac{\left[3 \left(\frac{div}{div}\right)\right] + \left[2 \left(\frac{div}{div}\right)\right]}{2} = \frac{5}{2} = 2.5$$



$$T = 50 \text{ Msec} = 50 \times 10^{-6} \text{ Sec}$$

$$E W_0 = \frac{2\pi}{T} = \frac{2\pi}{50 \times 10^{-6}} = 0.04 \times 10^{6} \pi$$

$$= \times W_0 = 4 \times 10^{4} \pi$$

 $V(t) = \frac{A}{2} - \frac{4A}{\pi^2} \cos \omega_0 t - \frac{4A}{(2\pi)^2} \cos (2\omega_0 t) - \frac{4A}{(3\pi)^2} \cos (3\omega_0 t) - \dots$

=> V(t): 20 - 4(20) as(4x10 nt) - 2014) as(8x10 nt) - 80 as(12x10 nt) ...

(I):
$$V_{c}(t:\omega) = V_{c}(o^{+})$$
 \Rightarrow $V_{c}(o^{+})$ \Rightarrow $V_{c}(o^{+})$

21-2
$$\frac{1}{\sqrt{2}}$$
 $\frac{1}{\sqrt{2}}$ $\frac{1}{\sqrt{2}$

$$25-2$$

$$\begin{cases}
f = 2^{KH2} \times T = 0.5^{MS} & \text{and in bec} \\
D.C = 50 \text{ /.}
\end{cases}$$

$$\begin{cases}
RC & \text{PW} \\
D.C = 50 \text{ /.}
\end{cases}$$

$$\begin{cases}
R = 100 \\
-V_{0} \\
V_{1}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

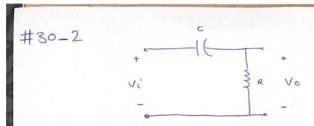
$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

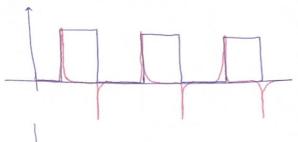
$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

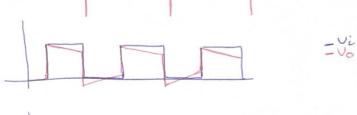
$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$

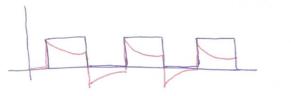
$$\begin{cases}
R = 100 \\
C = 1000 \text{ //F}
\end{cases}$$











$$t_{f} = 10^{4}$$
 $PA = 12^{4}$
 $PW = 10^{4}$
 $C = 200 PF$, $R = 470 \Omega$

$$tro = \sqrt{(tr_i)^2 + (\frac{0.35}{f_c})^2} = \sqrt{(500)^2 + (\frac{0.35}{1600^K})^2} = 509$$

KHZ

- Vi - Vo

-Vi

- Vo

=> 10048 = 12 - Emin x100

