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RING MODULATOR, SWITCHING MODULATOR AND BALANCE MODULATOR

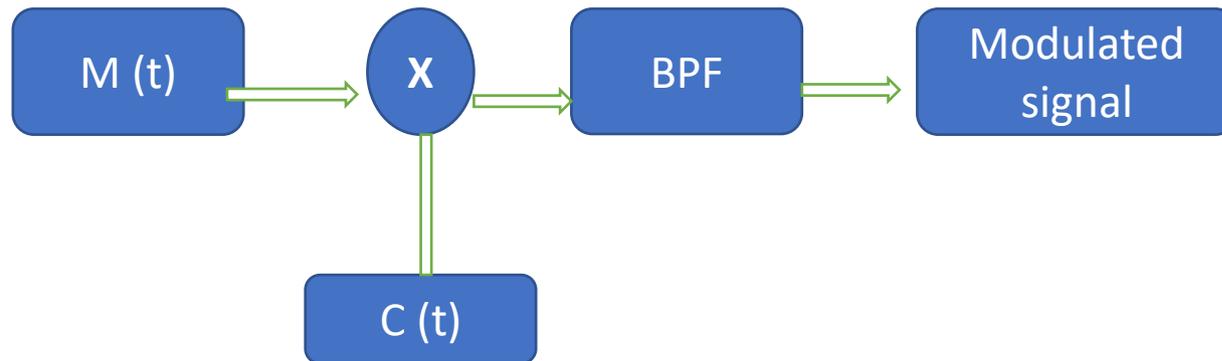
Electronics & Communication Engg. Dept.

School of Engineering & Technology

CUTM

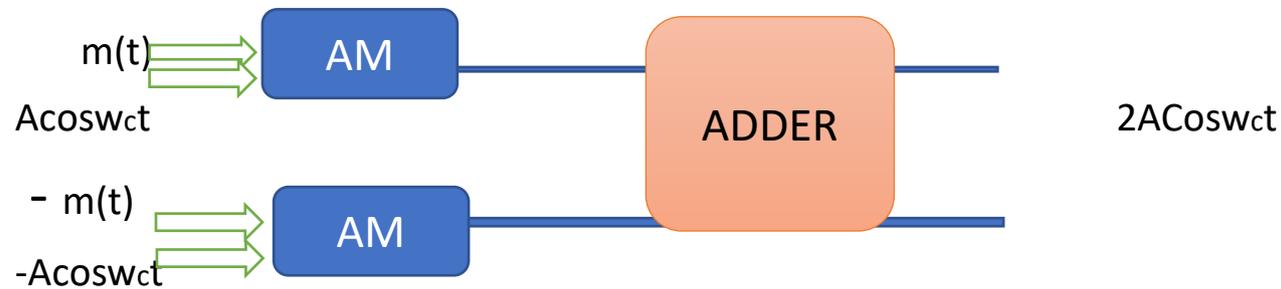
Generation of DSB-SC

General view.....



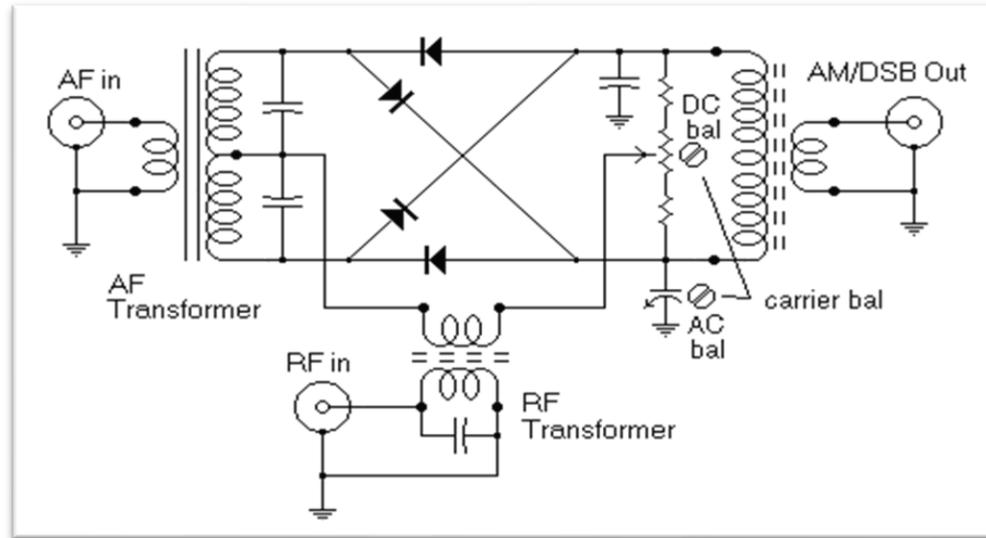
- i. Balanced modulator
- ii. Ring modulator
- iii. Switch modulator

Balanced Modulator



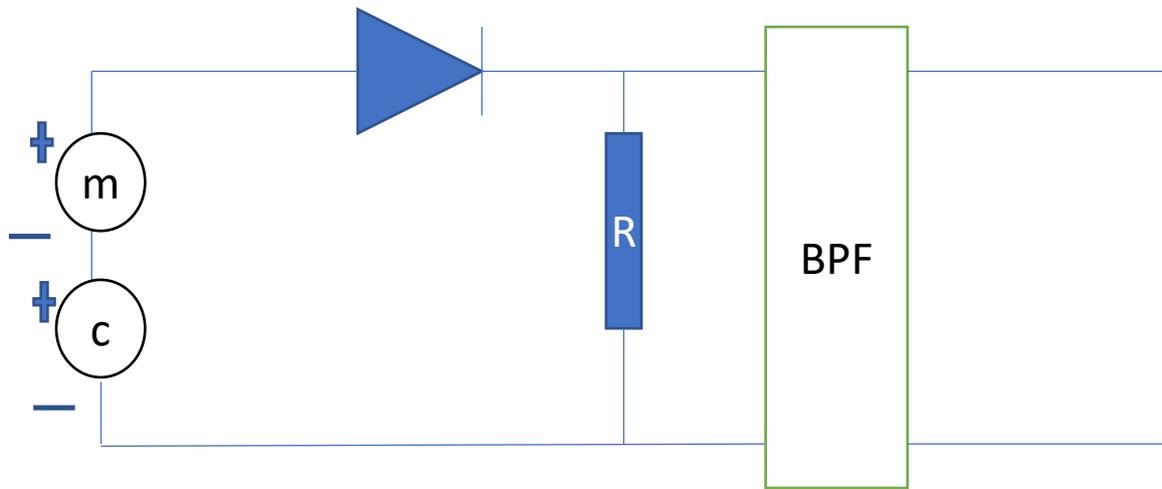
Balanced modulator may be defined as a circuit in which two non linear devices are connected in a balanced mode to produce a DSB-SC signal.

Ring modulator



The control is achieved by carrier signal. So carrier frequency made much higher than the message signal.

Switching modulator



Impulse train is used.

The output Obtained from the o/ p of BPF.



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THANK YOU.....