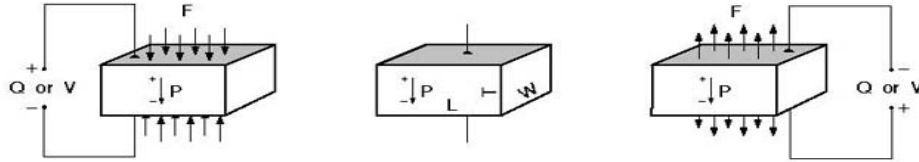


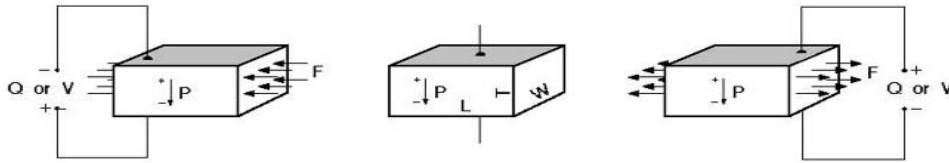
PARALLEL COMPRESSION OR TENSION GENERATOR



$$Q = Fd_{33}$$

$$\frac{V}{T} = \frac{Fg_{33}}{LW}$$

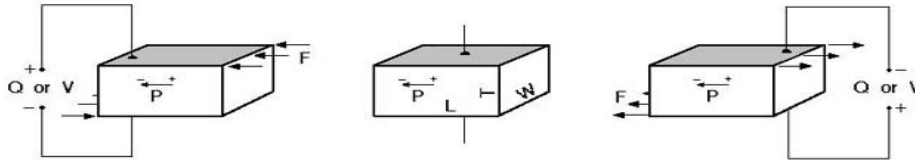
TRANSVERSE COMPRESSION OR TENSION GENERATOR



$$\frac{Q}{LW} = \frac{F d_{31}}{TW}$$

$$\frac{V}{T} = \frac{F g_{31}}{TW}$$

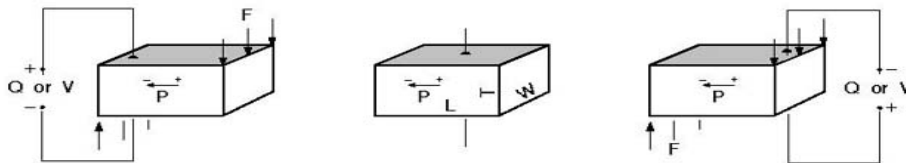
PARALLEL SHEAR GENERATOR



$$Q = Fd_{15}$$

$$\frac{V}{T} = \frac{Fg_{15}}{LW}$$

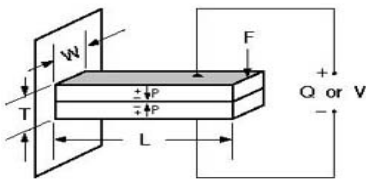
TRANSVERSE SHEAR GENERATOR



$$\frac{Q}{LW} = \frac{F d_{15}}{TW}$$

$$\frac{V}{T} = \frac{F g_{15}}{TW}$$

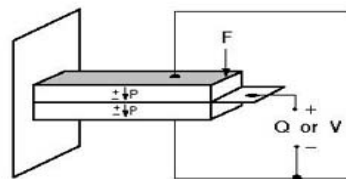
BENDING GENERATOR



Series Connection

$$Q = \frac{3FL^2 d_{31}}{2T^2}$$

$$V = \frac{3FL g_{31}}{2WT}$$



Parallel Connection

$$Q = \frac{3FL^2 d_{31}}{T^2}$$

$$V = \frac{3FL g_{31}}{4WT}$$