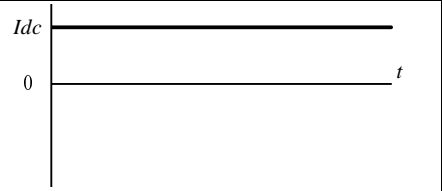
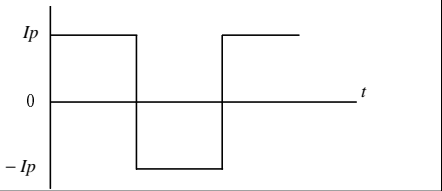
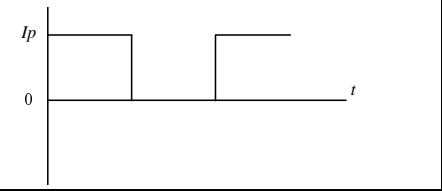
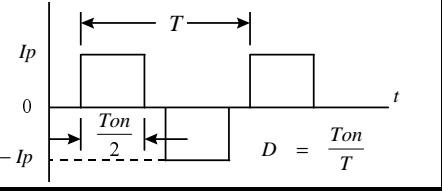
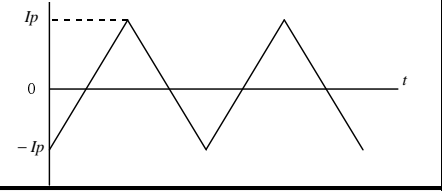
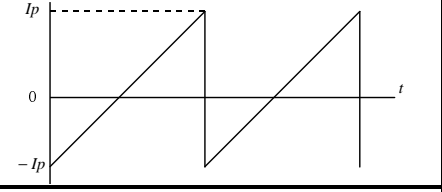
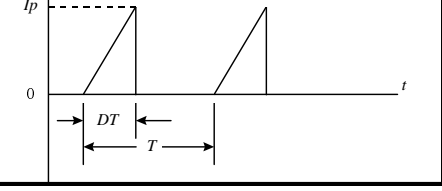


## Appendix A - Waveform Formulas

Waveform	I <sub>rms</sub>	I <sub>dc</sub>	I <sub>ac(rms)</sub>
	$I_{dc}$	$I_{dc}$	$0$
	$I_p$	$0$	$I_p$
	$I_p\sqrt{D}$	$DI_p$	$I_p\sqrt{D(1-D)}$
	$I_p\sqrt{D}$	$0$	$I_p\sqrt{D}$
	$I_p\sqrt{\frac{1}{3}}$	$0$	$I_p\sqrt{\frac{1}{3}}$
	$I_p\sqrt{\frac{1}{3}}$	$0$	$I_p\sqrt{\frac{1}{3}}$
	$I_p\sqrt{\frac{D}{3}}$	$\frac{D}{2}I_p$	$I_p\sqrt{\frac{D}{3}\left(1-\frac{3}{4}D\right)}$

### Appendix A - Waveform Formulas

Waveform	I <sub>rms</sub>	I <sub>dc</sub>	I <sub>ac(rms)</sub>
	$\sqrt{D \left( I_p \times I_m + \frac{1}{3} (I_p - I_m)^2 \right)}$	$\frac{D (I_p + I_m)}{2}$	$\sqrt{I_{rms}^2 - I_{dc}^2}$
	$\sqrt{D \left( I_p \times I_m + \frac{1}{3} (I_p - I_m)^2 \right)}$	$0$	$\sqrt{D \left( I_p \times I_m + \frac{1}{3} (I_p - I_m)^2 \right)}$
	$\frac{I_p}{\sqrt{2}}$	$0$	$\frac{I_p}{\sqrt{2}}$
	$\sqrt{I_{dc}^2 + \frac{1}{2} I_p^2}$	$I_{dc}$	$\frac{I_p}{\sqrt{2}}$
	$\frac{I_p}{\sqrt{2}}$	$\frac{2}{\pi} I_p$	$I_p \sqrt{\frac{1}{2} - \frac{4}{\pi^2}}$
	$I_p \sqrt{\frac{D}{2}}$	$\frac{2 D I_p}{\pi}$	$I_p \sqrt{\frac{D}{2} - \left( \frac{2D}{\pi} \right)^2}$