



THE DEVELOPMENT OF SWITCHED-MODE POWER SUPPLY  
FOR DC MOTOR APPLICATION

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**LIST OF SYMBOLS**

$C$	-	Capacitor
$D$	-	Duty cycle
Dc	-	Direct Current
$F$	-	Frequency
G(s)	-	Transfer Function
$I_a$	-	Output Current
$I_c$	-	Capacitor Current
$I_L$	-	Inductor Current
$I_s$	-	Input Current
kHz	-	kilo Hertz
$L$	-	Inductor
mH	-	mili Henry
MHz	-	mega Hertz
MOSFET	-	Metal-Oxide-Semiconductor Field-Effect Transistor
ms	-	mili second
Q	-	Transistor
R	-	Resistor
rad/s	-	radians per second
$t, T$	-	time
V	-	Volt
$V_o, V_a$	-	Output Voltage
$\mu\text{s}$	-	micro second
$\mu\text{F}$	-	micro Farad
$\Omega$	-	Ohm

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