

ㄱ

가 **(A djustable Inductor)**

가 **(A djustable Resistor, Varyable Resistor)**

, 가

가 **(A djustable Condenser, Varyable Condenser)**

, (對向)

(Relay)

, , , , , 가

(IGBT : Insulated Gate Bipolar Transistor)

가

가

,

가

, MOSFET

가

IGBT .

(Harmonic Wave)

가
· , 3 가 3 ·

(High Frequency)

, 가 가 ·

(Air-blast Circuit Breaker)

10-30 (消弧)

(Nominal Transformation Ratio)

가 1 2 ,

(Nominal rating)

(25-50%) 가 2

(Overload)

, 가 ,
,
가 가 ·

(Overcurrent)

(Overvoltage)

가 가

(Overvoltage relay)

가

(Photovoltaic Effect)

pn

(AC Balancer)

2 3

(Wound Rotor)

(Wound-rotor Induction Motor)

(, ,)

(Wound Core)

(Wound Core Transformer)

가

(Silicon Steel Plate)

(Fe) 5% (Si) 1%

1.

(Damper Winding)

2. , 1% 3%

(Internal Field)

E 1% E' = E + P (, P)

(Core type Transformer)

1. 1 2 2

(Neon Transformer)

1m 1,000V

(Lightning Stroke)

(Lightning Surge)

가 ,

가

(Leakage Reactance)

90 °

jI_x x

(Leakage Transformer)

가 1
2 가 , ,
,

(Leakage Inductance)

(Leakage Flux)

(Leakage Current

, ,

(Leakage Conductance)

가

(Earth Leakage Breaker, Ground-fault Circuit)

가

이

(Auto Transformer)

1 2

(Single-phase Transformer)

, 1~50kVA ,

(Single-phase Induction Motor)

가 ,

(Band Compression)

(Conductivity)

()

(Conduction Current)

(Doppler Effect)

(Salient Pole Machine)

(Salient Pole Field)

(Synchronous Generator)

(Synchronous Impedance)

(Synchronous Motor)

(Synchronous Phase Modifier)

(Synchronous Reactance)

가

(Synchronous Speed)

가

가

가 (Equivalent Circuit)

(),

(), ()

고

(Lumen)

lm

(Linear)

(線形), ,

" " "

(Reactor)

가

(Reactor Start Motor)

,

가

(Reactance)

□

(Ripple Factor)

(Ripple Current Motor)

1

(Pulsating Current)

가

(Maxwell Bridge)

, 가

(Maxwell's Electromagnetic Equation)

가

가

, ,

(No-load Loss)

(
, ,)

(No-load Saturation Voltage)

1/2

(Uninterruptible Power Supply)

(Reactive Current)

(Reactive Power)

가
가 ,
. var kvar

■

(Switchboard, Switchgear)

, , , ,
(,) , .

(Distribution Substation)

가 (3.3kV 6.6kV)

(Distribution Transformer)

(Transformer)

110V , 110V 220V 220V

(Electric Power Substation)

(Compensating Machine)

(Protective Relay)

†
 , , , , ,
 , , , , ,

(Compound Generator)

(Compound Motor)

(Load Capacity)

(Load Factor)

(Shunt Generator)

(Shunt Motor)

(Unbalanced Load)

↗ ,
↖ ,

(Unbalanced Current)

(Unbalanced Circuit)

(Bridge type Relay)

(Non-salient Machine)

가 . , 가
()

(Asynchronous Machine)

가

(A synchronous phase Modifier)

1

八

(Thyristor)

pnpn 4 . SCR
3 가 , .

(Thyristor Inverter)

()

(Thyristor Motor)

(Mutual Induction)

2 가
가

(Mutual Inductance)

$$H(\quad)$$

(Mutual Impedance)

(Thermister)

, , , , , ,

(Thermister Wattmeter)

가 가

(Surge)

가

(Surge Generator)

，

(Surge Impedance)

2

4

(Surge Voltage)

(Surge Absorber)

(Line Voltage)

(Line Constant)

, , , , γ , , 4γ

(Line Current)

(Angle of Extinction)

γ +
()

(Transmission-loss Coefficient)

(Collector Ring, Slip Ring)

(Deep-slot Squirrel-cage Induction Motor)

○

(Ampere)

$$1m \quad 2 \times 10^{-7}N$$

(Ampere's Right-handed Screw Rule)

가
가 , 가
가 .

(Admittance)

가 가
S() .

(Exciter)

(Exciting Current)

(Negative-phase Relay)

3

(Negative-phase-sequence Component)

3

가

(Synchronous Induction Motor)

1 , 2

3

,

가

가

2

2

(Continuous Rating)

(Temperature Relay)

(Temperature Rise)

가

(**Ohm**)

가 1, 1
2 1 2 .

(**Eddy Current**)

가 , .

(**Distortion Factor**)

가 .

(**Shell type Phase Transformer**)

(**Phase Difference**)

(**Induced Electromotive Force**)

,

(**Induction Motor**)

가 .

(**Induced Current**)

(Dielectric Loss)

γ

(Dielectric substance)

,

(Active Power)

(Impedance)

Δ

(Reluctance)

(Reluctivity)

(Field Strength)

(Armature)

,

(Armature Reaction)

,

(Motor)

(Current)

() (). A() 1A 1 1C() 가

(Electric Power)

, , W()

(Electric Energy)

(IGBT : Insulated Gate Bipolar Transistor)

가

가

가

, MOSFET

가

(Electric Flux)

,

(Voltage)

V. 1V 1 1A

(Electric Potential)

가

가

(Electromagnetic Force)

(Electromagnetic Induction)

(Electromagnetic Field)

가

(Electrolytic Condenser)

(Rectification)

(Commutator)

(Rectification Transformer)

() 가 .

(Static Electricity)

(Static Induction)

가 , 가

(Capacity)

(Sine Wave)

(Damper Winding)

, . 3
2 , 가

(Illumination)

lx()

(Governor)

가

(DC Motor)

(Vacuum Load-breaker Switch)

가

() (Vacuum Pressure Impregnation)

,

灭

(Circuit Breaker)

(Differential Transformer)

1 , 2

, , ,

가

가

(Differential Compound)

(Core Loss)

(Core-loss Current)

가 .
가 .

(Superconduction)

, , , , 0
0, 가 .

(Superconductivity)

Hg, Pb, Nb 25

(Chopper)

, .

↗

(Conductance)

(Capacitor) : (Condenser)

(Capacitance) : (Capacity)

(Condenser)

(Capacitor Motor)

(Conservator)

(Curie Point)

가 1 가

(Curie Temperature)

(,)

(Clamp)

(Clamp Circuit)

E

(Separately Excited Generator)

(Separately Excited Motor)

(Magnetic Permeability)

$$B = \mu H$$

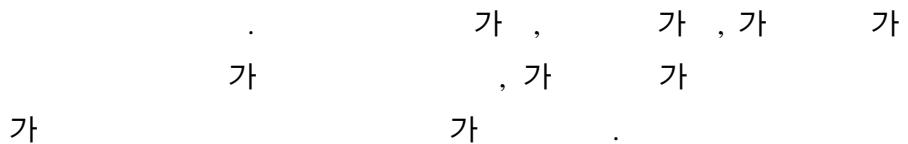
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(Faraday's Law)

$$\frac{e(V)}{t(s)} = \frac{\Delta B}{\Delta t} = \frac{N}{t} \frac{\Delta \Phi}{\Delta t}$$

(Winding Loss)

(Fleming's Left-hand Rule)



(Piezo Effect)

가 , 가 , 가

$\vec{\Phi}$

(Impregnation)

(Hall Effect)

x Hz, I_x y E_y Hz
가 가 .

(Regenerative Braking)

가

(Rotor)

(Rotating Field)

(Brightness)

(Hysteresis)

가

(Hysteresis Loss)