

가 (Adjustable Inductor)

가 (Adjustable Resistor, Variable Resistor)
가

가 (Adjustable Condenser, Variable 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 가 ·

(Overcurrent)

(Overvoltage)

가 가

(Overvoltage relay)

가

(Photovoltaic Effect)

pn

(A C Balancer)

2

3

(Wound Rotor)

(Wound-rotor Induction Motor)

(,)

(Wound Core)

(Wound Core Transformer)

가 , ,

(Silicon Steel Plate)

(Fe) 5% (Si) 가

,

.

ㄴ

(Damper Winding)

,

.

3

2

,

가

.

(Internal Field)

E 가

E' E

.

,

$E' = E + P$. (

, P

)

(Core type Transformer)

. 1 2

2

,

.

(Neon Transformer)

.

1m

1,000V

.

(Lightning Stroke)

.

(Lightning Surge)

가 ,

가 .

(Leakage Reactance)

90°

·
·
· jI_x x

(Leakage Transformer)

· 1
가 2 가 , ,
·

(Leakage Inductance)

(Leakage Flux)

·

(Leakage Current

· ,

·

(Leakage Conductance)

,

가

.

(Earth Leakage Breaker, Ground-fault Circuit)

가

ㄷ

(Auto Transformer)

1 2

.

.

(Single-phase Transformer)

, 1~50kVA

,

.

(Single-phase Induction Motor)

가 ,

.

(Band Compression)

.

(Conductivity)

()

(Conduction Current)

(Doppler Effect)

,

.

.

(Salient Pole Machine)

.

,

가

가

.

(Salient Pole Field)

,

.

(Synchronous Generator)

(Synchronous Impedance)

(Synchronous Motor)

.

,

가

.

(Synchronous Phase Modifier)

(Synchronous Reactance)

가

(Synchronous Speed)

가

가

가 **(Equivalent Circuit)**

(),

(), ()

근

(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

하

(Switchboard, Switchgear)

, , ,
(,) ,

(Distribution Substation)

가 (3.3kV 6.6kV)

(Distribution Transformer)

(Transformer)

110V , 110V 220V 220V
110V .

(Electric Power Substation)

, ,
, ,

(Compensating Machine)

.

(Protective Relay)

가
 . , ,
, , , , .

(Compound Generator)

(Compound Motor)

(Load Capacity)

, ,

(Load Factor)

(Shunt Generator)

(Shunt Motor)

,

(Unbalanced Load)

가 ,
가

(Unbalanced Current)

(Unbalanced Circuit)

(Bridge type Relay)

(Non-salient Machine)

가 . , 가
()

. , .

(Asynchronous Machine)

가 . , .

(Asynchronous phase Modifier)

2 2
, 가

1 .

入

(Thyristor)

pnpn 4 . SCR
3 가 , .

(Thyristor Inverter)

()

(Thyristor Motor)

(Mutual Induction)

2 가
가
· ,
·

(Mutual Inductance)

1 2
H()

(Mutual Impedance)

(Thermister)

, , , , ,

(Thermister Wattmeter)

가 가

(Surge)

가

(Surge Generator)

, ,

(Surge Impedance)

2 4

(Surge Voltage)

(Surge Absorber)

(Line Voltage)

(Line Constant)

, , , 가 , 4가 .

(Line Current)

(Angle of Extinction)

가 +
() .

(Transmission-loss Coefficient)

(Collector Ring, Slip Ring)

(Deep-slot Squirrel-cage Induction Motor)

○

(Ampere)

. 1 1m

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

(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

3

가

(Synchronous Induction Motor)

1 , 2

3

2

,

가

가

2

(Continuous Rating)

(Temperature Relay)

(Temperature Rise)

가

(Ohm)

2 . 1 , 1 가
1 2 .

(Eddy Current)

가 ,
.

(Distortion Factor)

가 가 .

(Shell type Phase Transformer)

(Phase Difference)

(Induced Electromotive Force)

.
 , .

(Induction Motor)

가 가

(Induced Current)

(Dielectric Loss)

가

(Dielectric substance)

,

.

(Active Power)

(Impedance)

스

(Reluctance)

.

(Reluctivity)

.

(Field Strength)

(Armature)

,

(Armature Reaction)

,

.

(Motor)

(Current)

() (). A() 1A 1 IC() 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 , 가

(Capacity)

(Sine Wave)

•

(Damper Winding)

(Illumination)

lx ()

(Governor)

가

(DC Motor)

(Vacuum Load-breaker Switch)

가

() **(Vacuum Pressure Impregnation)**

,

것

(Circuit Breaker)

(Differential Transformer)

1 , 2 가
가 .

(Differential Compound)

(Core Loss)

.

(Core-loss Current)

가 . 가 가

(Superconduction)

, , 0 0
0, 가 .

(Superconductivity)

Hg, Pb, Nb 25
,

(Chopper)

ㄱ

(Conductance)

(Capacitor) : **(Condenser)**

(Capacitance) : **(Capacity)**

(Condenser)

(Capacitor Motor)

(Conservator)

(Curie Point)

가 가
1 .

(Curie Temperature)

(Clamp)

(Clamp Circuit)

E

(Separately Excited Ge

(Separately Excited Mode)

(Magnetic Permeability)

$$\mu = B/H$$

32

(Faraday 's Law)

1831 (Faraday,)

$$e(V) = \frac{N}{t(s)} \quad \text{e} = - \frac{(N)}{t} \quad \text{N}$$

1833

$$m(g) = \frac{Q(C)}{96,500} \quad \text{M(g)} \quad m = MQ/96,500$$

(Windage Loss)

(Fleming 's Left-hand Rule)

가 , 가 , 가
가 , 가
가

(Piezo Effect)

, 가

중

(Impregnation)

.

(Hall Effect)

x Ix가 가 Hz
가 Hz, Ix y Ey가
가 .

(Regenerative Braking)

가

(Rotor)

(Rotating Field)

.

(Brightness)

(Hysteresis)

가

.

(Hysteresis Loss)

.