

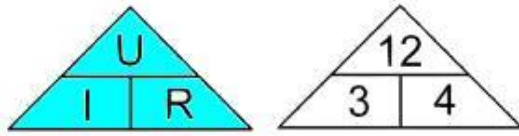
H00.500.p002 TEKENS symbolen

R weerstand

S Siemens

I stroom

U spanning



Q lading

$$Q = I \times t$$

t tijd

Rt totale weerstand

$$R_t = R_1 + R_2$$

Rv vervangings weerstand

$$R_v = \frac{1}{\frac{1}{R_1} + \frac{1}{R_2}}$$

Σ somma

$$\Sigma I = 0$$

$$\Sigma U = 0$$

P vermogen

$$P = U \cdot I$$

$$P = U^2 / R$$

$$P = I^2 \cdot R$$

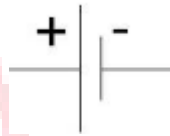
E elektrische energie in joule

W vermogen in Watt-sec.

$$E = W$$

$$W = P \cdot t$$

EMK elektro mechanische kracht

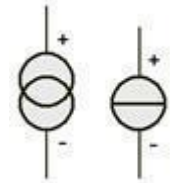


Batterij



Wisselstroom of-

spanning



Stroombron ,vaste

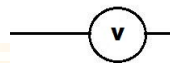
stroomsterkte



Meter



A = stroommeter



V = voltmeter



weerstand



Ntc



Ptc



Ldr



R verstelbaar, R instel

baar



Stroomrichting

H00.500.p002 TEKENS symbolen

Ri inwendige weerstand

Uk klemspanning

Ua aangelegde spanning

Ui inwendige spanning

UK = Ua - Ui

Ueff = Umax*0.707

Ugem = Umax*0.64

E veldsterkte

E = V/m

Wet van Lenz

f frequentie

λ golflengte

f = 300 / λ

$\lambda = 300 / f$

f = p/s

f = p/t

f = 1/t

BB CW = toon

BB AM=2*fmod

BB SSB=fmod

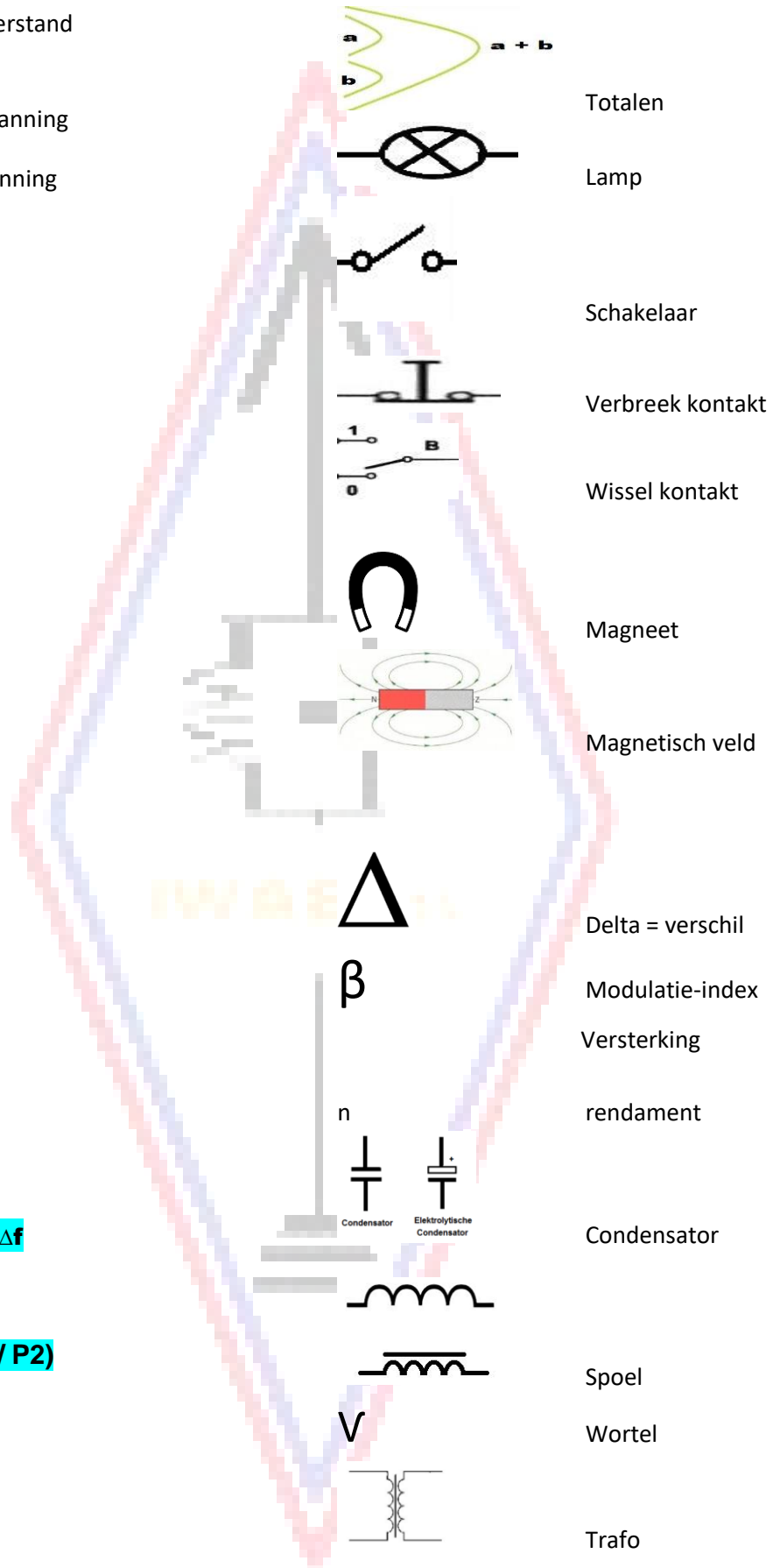
BB FM=2*fmod+2* Δ f

dB decibel

dB = 10 x log (P1 / P2)

n rendement

$n = \frac{P_{out}}{P_{in}} \times 100\%$



Totalen

Lamp

Schakelaar

Verbreek contact

Wissel contact

Magneet

Magnetisch veld

Delta = verschil

Modulatie-index

Versterking

rendament

Condensator

Spool

Wortel

Trafo

H00.500.p002 TEKENS symbolen

ADC Analoog Digitaal Omzetter

DAC Digitaal AnalooG Converter

REGEL	KLEUR
zij	zwart
brengt	bruin
rozen	rood
op	oranje
gerrits	geel
graf	groen
bij	blauw
vies	paars
grauw	grijs
weer	
	GOUD
	ZILVER

R = de weerstand in Ω .

XL= de weerstand in Ω .

XC= de weerstand in Ω .

Z = de weerstand in Ω .

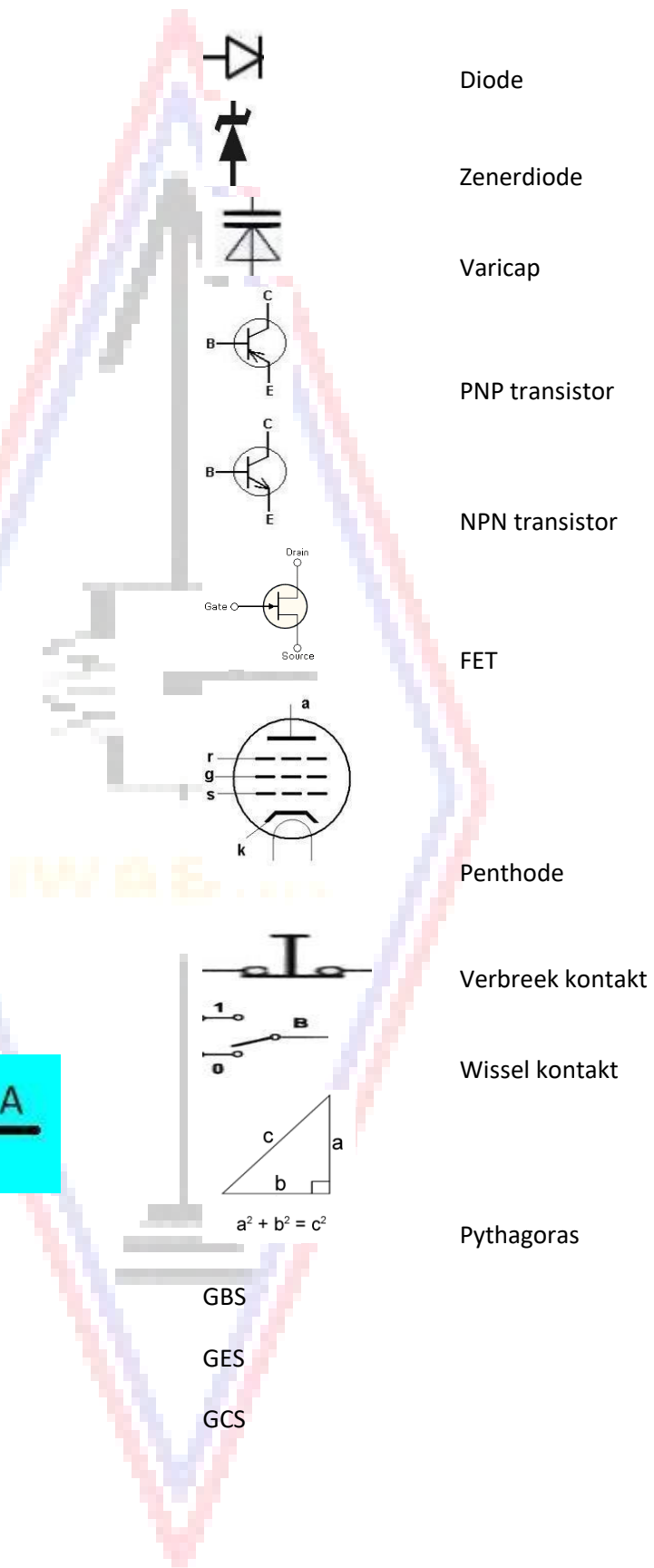
$$R = \frac{\rho \cdot l}{A}$$

$$A = 1/4 \pi d^2$$

$$C = \frac{0.088 \cdot \text{isolator} \cdot A}{d}$$

$$t = 5RC$$

$$XC = \frac{1}{2 \pi \cdot f \cdot C}$$



H00.500.p002 TEKENS symbolen

le=lc

$$S = \frac{\Delta m A}{\Delta U}$$

Klasse A

Klasse B

Klasse AB

Klasse C

Naam	Getal	Getal	Calc.
Tera	1.000 000 000 000		Exp12
Giga	1 000 000 000		Exp9
Mega	1.000 000		Exp6
Kilo	1.000		Exp3
	1		
mili		0.001	Exp-3
μ micro		0.000 001	Exp-6
nano		0.000 000 001	Exp-9
pico		0.000 000 000 001	Exp-12

