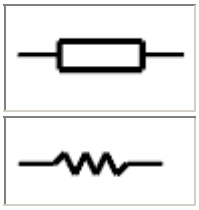
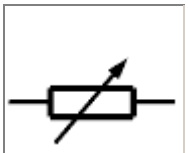
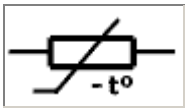
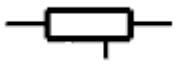
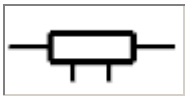
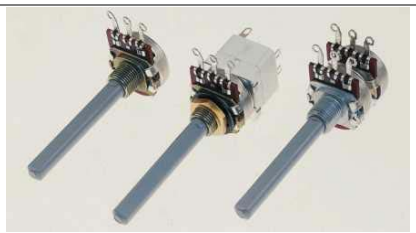
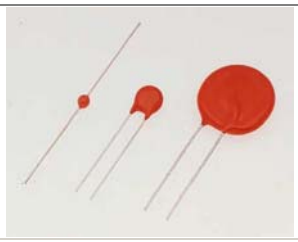
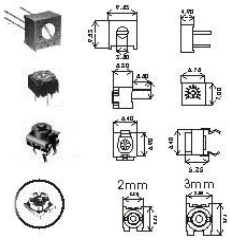
SIMBOLOGIA DE COMPONENTES

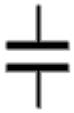
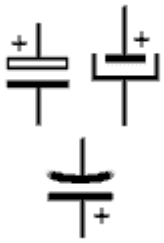
RESISTORES

Fixo		Potenciômetro	
Ajustável (Trimpot)		Coeficiente Negativo de Temperatura (NTC)	
Dependente da temperatura (VDR) (Varistor)		Coeficiente Positivo de Temperatura (PTC)	
Com derivação		Com derivações fixas	
Fotoresistor (LDR)			

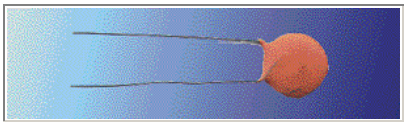
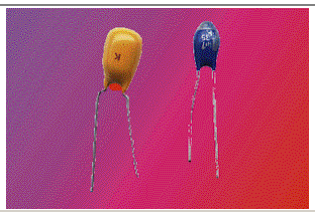
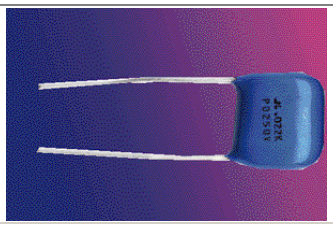
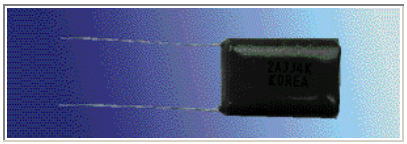
TIPOS DE RESISTORES

Filme carbônico			
Filme Metálico			
Potenciômetro			
Varistor (VDR)		NTC	
TRIMPOTs			

CAPACITORES

Capacitor fixo sem polaridade		Capacitor Eletrolítico (polarizado)	
Capacitor Variável		Capacitor Ajustável	
Capacitor eletrolítico com derivações		Capacitor com resistência série inerente (supressor de ruído)	
Capacitor de chassis		Filtro de passagem	

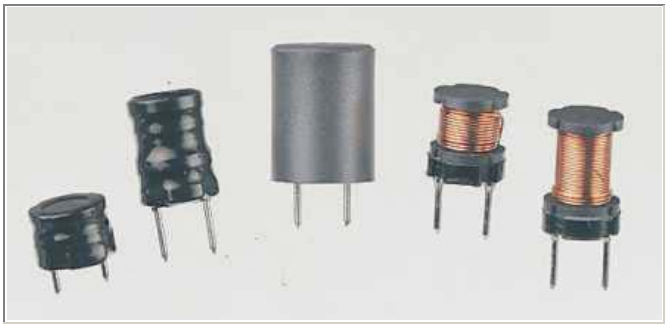
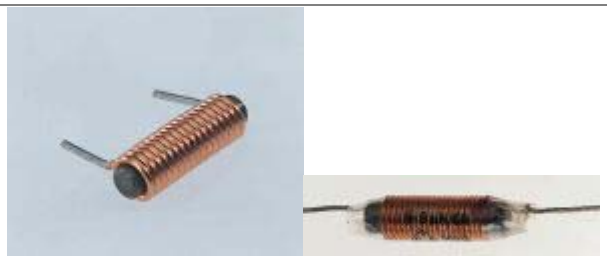
EXEMPLOS DE CAPACITORES

Capacitor cerâmico	
Capacitor eletrolítico de tântalo	
Capacitor de polipropileno revestido com epóxi	
Capacitor de poliéster	
Capacitor eletrolítico de alumínio	
Capacitor Ajustável	

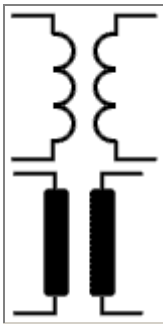
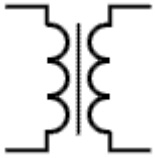
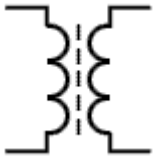
BOBINAS

Bobina com núcleo de ar		Bobina com núcleo de ar com derivações	
Bobina com núcleo de ferro		Bobina com núcleo de ferrite	

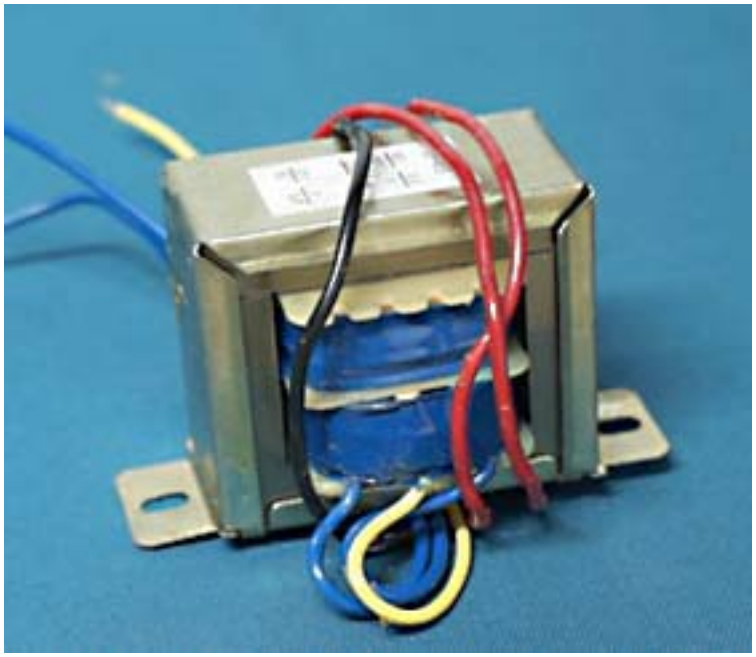
EXEMPLOS DE BOBINAS

NÚCLEO DE FERRITE	
NÚCLEO DE FERRITE	
NÚCLEO DE AR	

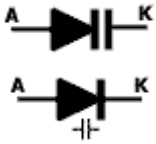
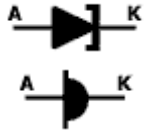
TRANSFORMADORES

Transformador com núcleo de ar		Transformador com núcleo de ferro	
Transformador com núcleo de ferrite			

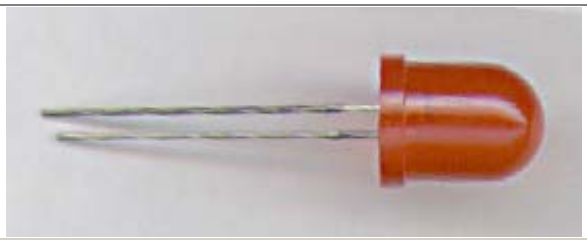
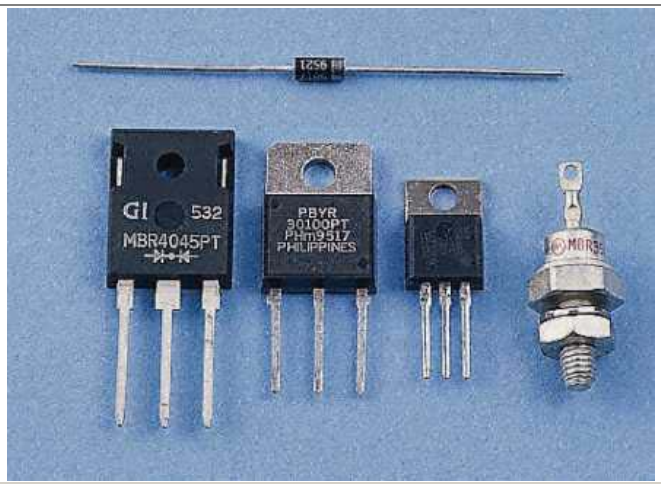
EXEMPLO DE TRANSFORMADOR



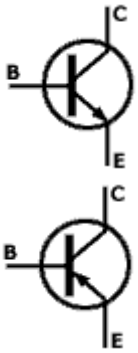
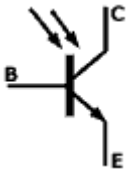
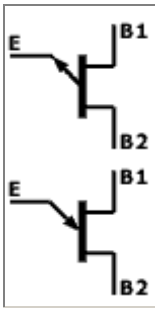
DIODOS

Diodo retificador		Diodo Zener	
Diodo VARICAP		Diodo túnel	
Fotodiodo		Diodo emissor de luz (LED)	
Diodo Schottky		Diodo com característica dependente da temperatura	

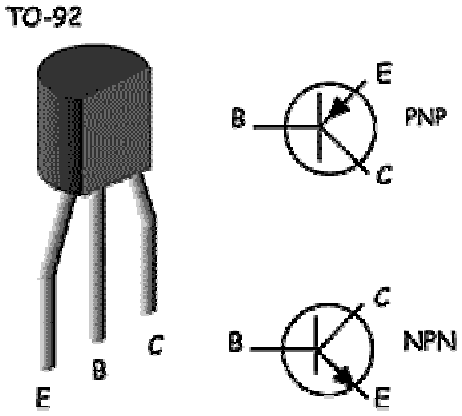
TIPOS DE DIODOS

DIODOS	
DIODO ZENER	
LED	
Diodo Schottky	

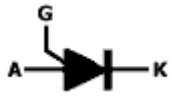
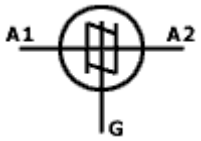
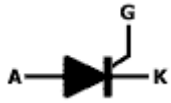
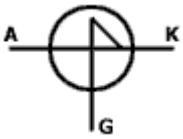
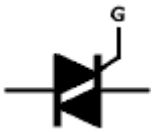
TRANSISTORES

Transistor bipolar		Fototransístor NPN	
Transístor de efeito de campo (FET)		Transístor de unijunção (UJT)	

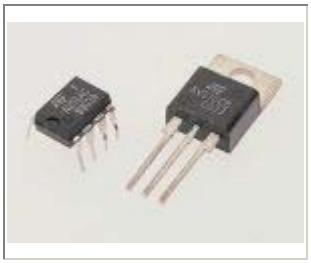
EXEMPLO DE TRANSISTOR



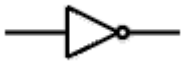
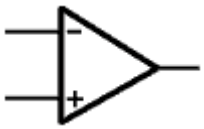
TIRISTORES

Tiristor PUT		Tiristor SBS	
Tiristor DIAC		Tiristor SCR	
Tiristor SUS		Tiristor TRIAC	

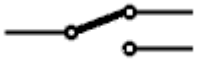
EXEMPLOS DE TIRISTORES

SCRs				
TRIACs				
DIAC’s				

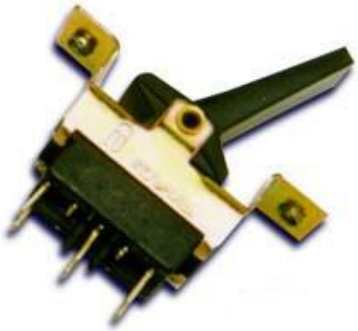
PORTAS LÓGICAS

Porta AND		Porta NOR	
Porta NAND		Porta EX-OR	
Porta OR		Porta EX-NOR	
Porta inversora		Buffer	
Amplificador operacional		Flip-Flop	

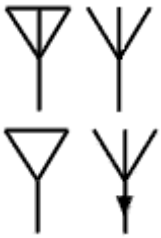
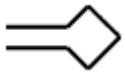
INTERRUPTORES

Chave de contato simples (aberta)		Chave de contato simples (fechada)	
Botão de pressão (aberto)		Botão de pressão (fechado)	
Chave de contato dupla (aberta)		Chave seletora de 2 posições	
Comutador		Chave seletora múltipla	

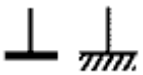
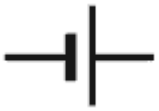
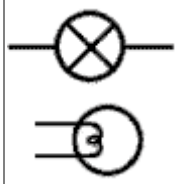
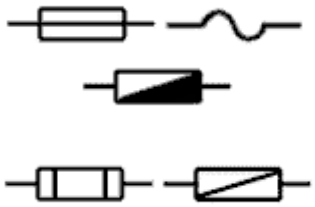
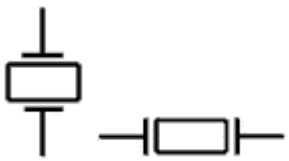
EXEMPLOS DE INTERRUPTORES

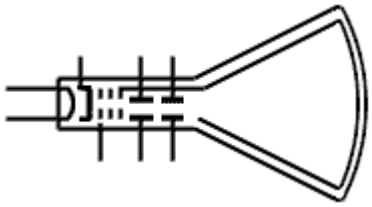
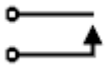
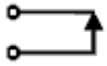
Chave bipolar 3 contatos		Chave Push-button	
Chave bipolar 3 contatos		Chave bipolar 6 contatos	
Chave de força			

ANTENAS

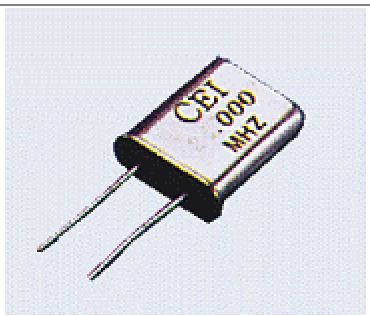
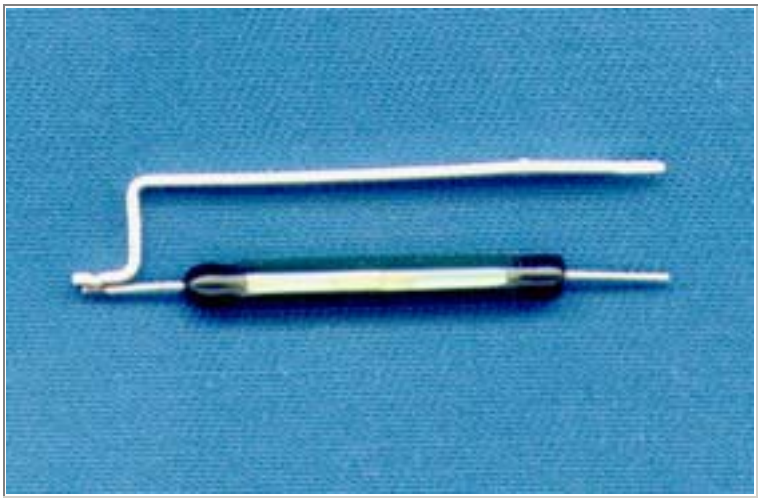
Antena receptora		Antena transmissora	
Antena de quadro		Satélite	
Antena bipolo simples de recepção			

DIVERSOS

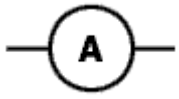
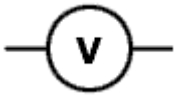
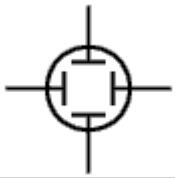
Nó		Cruzamento	
Terra		Massa	
Fonte de CC		Fonte de CA	
Lampada		Fusível	
Alto-falante		Microfone	
Sirene		Cristal Piezoelétrico	
Display 7 segmentos		Display 16 segmentos	

Motor		Tubo de raios catódicos (CRT)	
Relé		Reed Switch	
Relé (Contato aberto)		Relé (Contato fechado)	

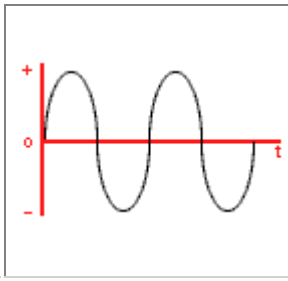
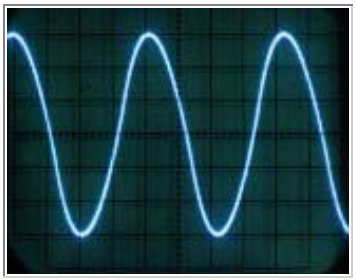
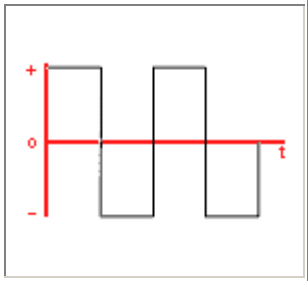
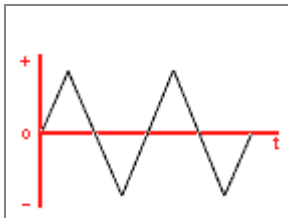
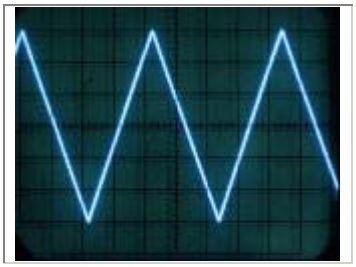
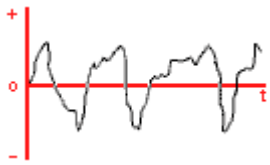
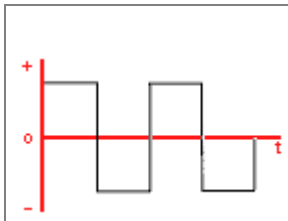
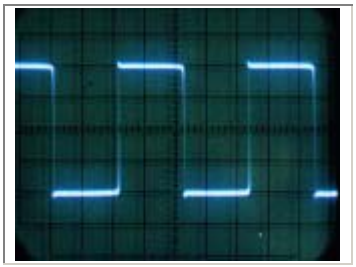
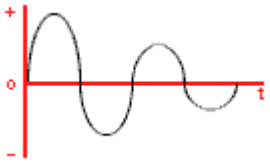
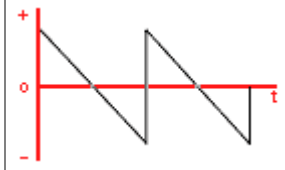
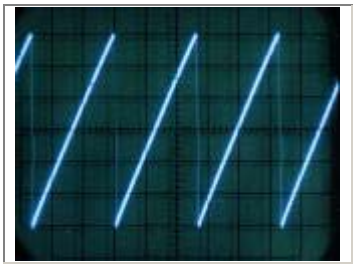
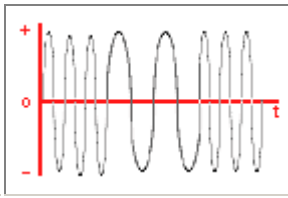
EXEMPLOS DE COMPONENTES VARIADOS

Cristal piezoelétrico	
Reed Switch	
Fusível	

INSTRUMENTOS DE MEDIÇÃO

Amperímetro			Voltímetro	
Ohmímetro			Freqüencímetro	
Galvanômetro			Vatímetro	
Osciloscópio				

TIPOS DE ONDAS

Senoidal			Retangular	
Triangular			Sonora	
Quadrada			Amortizada	
Dente de serra				
Freqüência Modulada			Amplitude Modulada