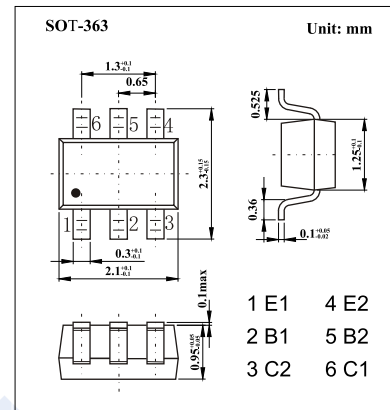
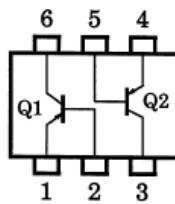


PNP Transistors

HN1A01FU (KN1A01FU)

■ Features

- High voltage and high current
- High hFE: hFE = 120~400
- Excellent hFE linearity
- Small package (Dual type)



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V _{CB0}	-50	V
Collector - Emitter Voltage	V _{CE0}	-50	
Emitter - Base Voltage	V _{EB0}	-5	
Collector Current - Continuous	I _c	-150	mA
Base current	I _B	-30	
Collector Power Dissipation	P _C	200	mW
Junction Temperature	T _J	125	°C
Storage Temperature range	T _{stg}	-55 to 125	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V _{CB0}	I _c = -100 μA, I _E = 0	-50			V
Collector- emitter breakdown voltage	V _{CE0}	I _c = -1 mA, I _B = 0	-50			
Emitter - base breakdown voltage	V _{EB0}	I _E = -100 μA, I _c = 0	-5			
Collector-base cut-off current	I _{CB0}	V _{CB} = -50 V, I _E = 0			-100	nA
Emitter cut-off current	I _{EB0}	V _{EB} = -5V, I _c = 0			-100	
Collector-emitter saturation voltage	V _{CE(sat)}	I _c = -100 mA, I _B = -10mA			-0.3	V
Base - emitter saturation voltage	V _{BE(sat)}	I _c = -100 mA, I _B = -10mA			-1.2	
DC current gain	h _{FE}	V _{CE} = -6V, I _c = -2mA	120		400	
Collector output capacitance	C _{ob}	V _{CB} = -10V, I _E = 0, f = 1MHz			7	pF
Transition frequency	f _t	V _{CE} = -10V, I _c = -1mA	80			MHz

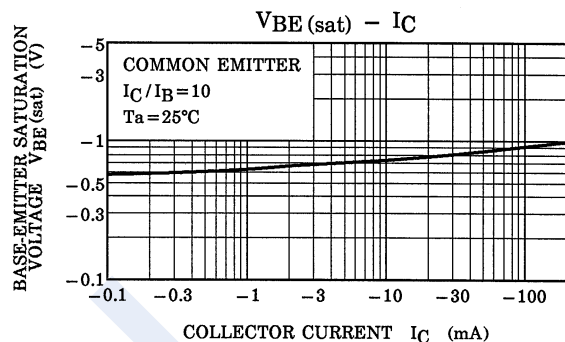
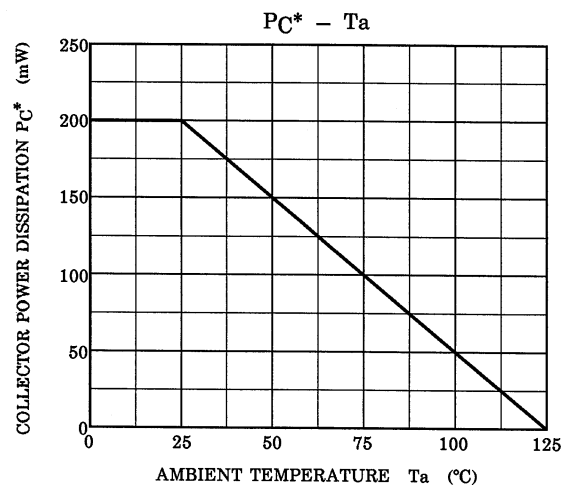
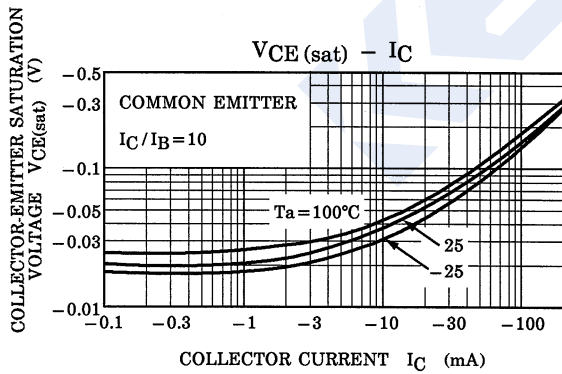
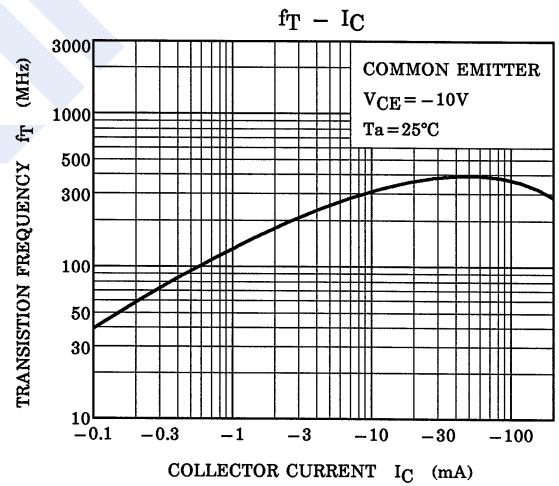
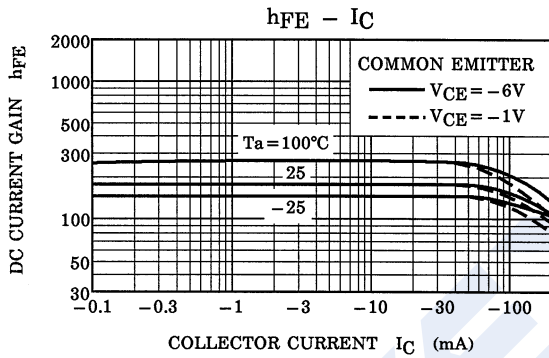
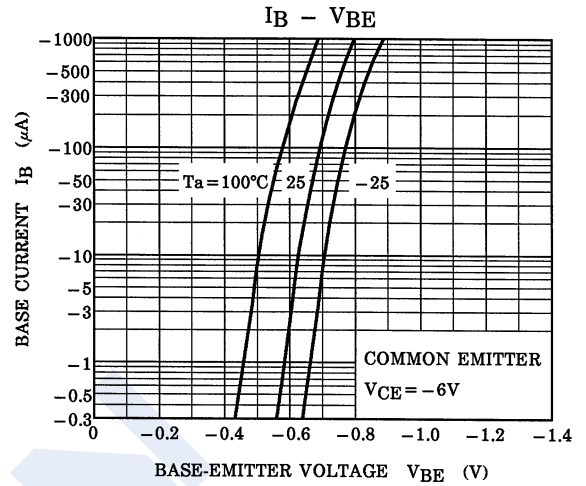
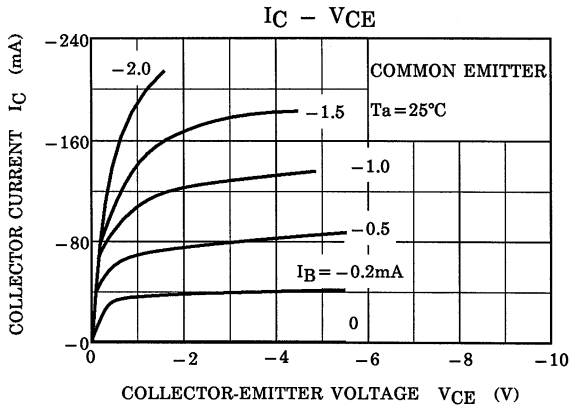
■ Classification of hfe

Type	HN1A01FU-Y	HN1A01FU-G
Range	120-240	200-400
Marking	D1Y	D1G

PNP Transistors

HN1A01FU (KN1A01FU)

■ Typical Characteristics



*: Total Rating