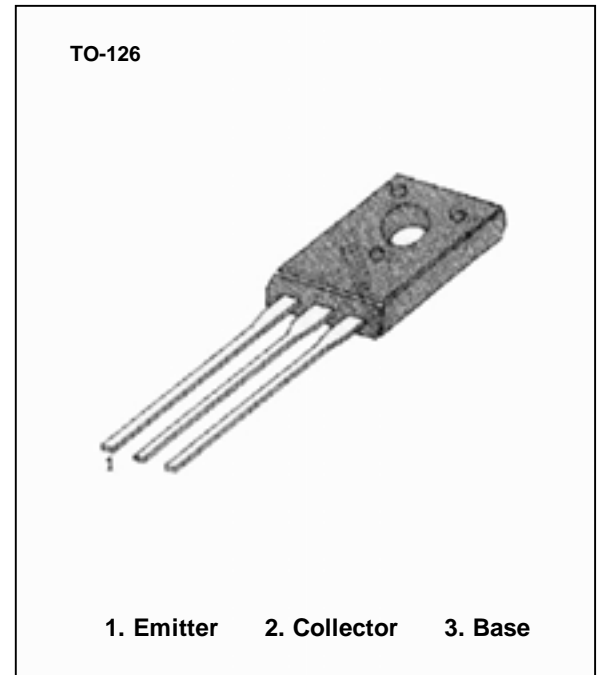


Features

- Collector-Emitter Voltage: $V_{CEO} = 400V$
- Collector Dissipation: $P_C(\text{max}) = 1000mW$

Absolute Maximum Ratings (TA=25°C)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CBO}	600	V
Collector-Emitter Voltage	V_{CEO}	400	V
Emitter-Base Voltage	V_{EBO}	7	V
Collector Current	I_C	200	mA
Collector Dissipation	P_C	1000	mW
Junction Temperature	T_J	150	°C
Storage Temperature	T_{STG}	-55~+150	°C



Electrical Characteristics (TA=25°C)

Characteristic	Symbol	Test Conditions	Min	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C = 100\mu A, I_E = 0$	600		V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C = 1mA, I_B = 0$	400		V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E = 100\mu A, I_C = 0$	7		V
Collector Cut-off Current	I_{CBO}	$V_{CB} = 600V, I_E = 0$		100	μA
Collector Cut-off Current	I_{CEO}	$V_{CE} = 400V, I_B = 0$		200	μA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = 7V, I_C = 0$		100	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE} = 20V, I_C = 20mA$	10	40	
	$h_{FE(2)}$	$V_{CE} = 10V, I_C = 0.25mA$	5		
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = 50mA, I_B = 10mA$		0.5	V
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C = 50mA, I_B = 10mA$		1.2	V
Base-emitter Voltage	V_{BE}	$I_E = 100mA$		1.1	V
Transition Frequency	f_f	$V_{CE} = 20V, I_C = 20mA$	8		MHz
		$f = 1MHz$			
Fall Time	t_f	$I_C = 50mA, I_{B1} = -1, I_{B2} = 5mA,$		0.3	μS
Storage Time	t_s	$V_{CC} = 45V$		1.5	μS

$h_{FE(1)}$ CLASSIFICATION

Classification						
$h_{FE(1)}$	10-15	15-20	20-25	25-30	30-35	35-40