

Absolute Maximum Ratings (Ta = 25° C)

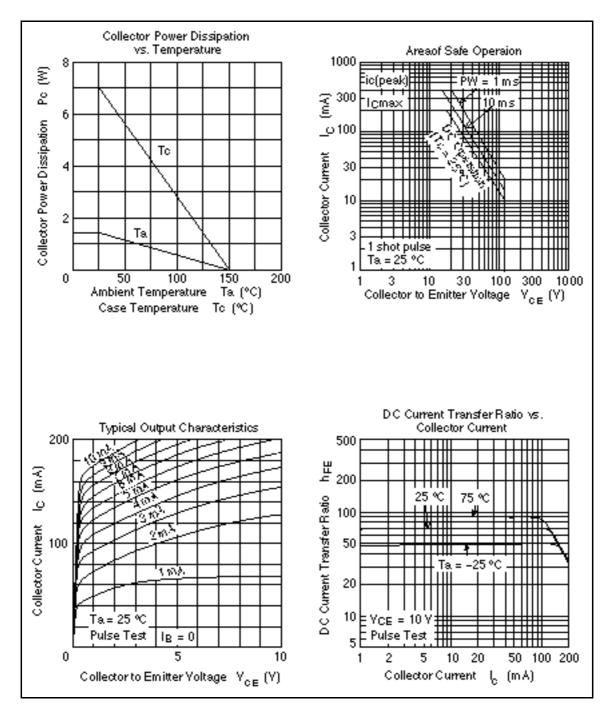
Item	Symbol	Ratings	Unit V	
Collector to base voltage	V _{CBO}	110		
Collector to emitter voltage	V _{CEO}	110	V	
Emitter to base voltage	V _{EBO}	3	V	
Collector current	Ι _c	200	mA	
Collector peak current	i _{c(peak)}	400	mA	
Collector power dissipation	Pc	1.4	W	
Collector power dissipation	P _c * ¹	7	W	
Junction temperature	Tj	150	°C	
Storage temperature	Tstg	-55 to +150	°C	
Note: 1 Value at Te $= 25^{\circ}$ C				

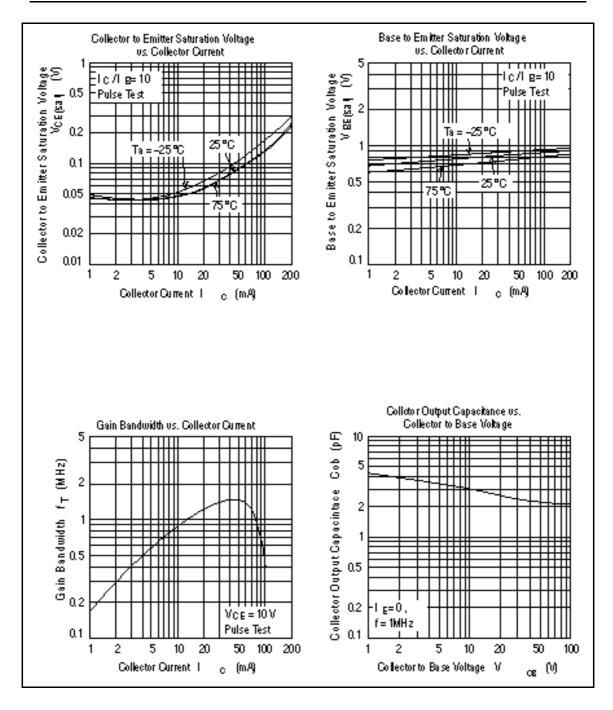
Note: 1. Value at $Tc = 25^{\circ}C$

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Тур	Max	Unit	Test Conditions
Collector to base breakdown voltage	$V_{(\text{BR})\text{CBO}}$	110	—	—	V	$I_{c} = 10 \acute{E} A, I_{E} = 0$
Collector to emitter breakdown voltage	$V_{(\text{BR})\text{CEO}}$	110	—	—	V	$I_c = 1mA, R_{BE} =$
Collector cutoff current	I _{CBO}	_	—	10	μA	$V_{CB} = 100V, I_{E} = 0$
Emitter cutoff current	I _{EBO}	_	_	10	μA	$V_{EB} = 3V, I_{C} = 0$
DC current transfer ratio	h_{FE}	30	_	100		$V_{ce} = 10 \text{ V}, \text{ I}_{c} = 10 \text{ mA}$
Base to emitter voltage	V_{BE}	_	—	1	V	$V_{ce} = 10 \text{ V}, \text{ I}_{c} = 10 \text{ mA}$
Collector to emitter saturation voltage	$V_{\text{CE(sat)}}$	—	_	1	V	$I_{c} = 200 \text{mA}, I_{B} = 20 \text{mA}$
Gain bandwidth product	f _T	1.0	1.4	_	GHz	$V_{ce} = 10 \text{ V}, \text{ I}_{c} = 50 \text{mA}$
Collector Output capacitance	C _{ob}	—	2.4	3.5	pF	$V_{CB} = 30V, I_E = 0$ f = 1MHz

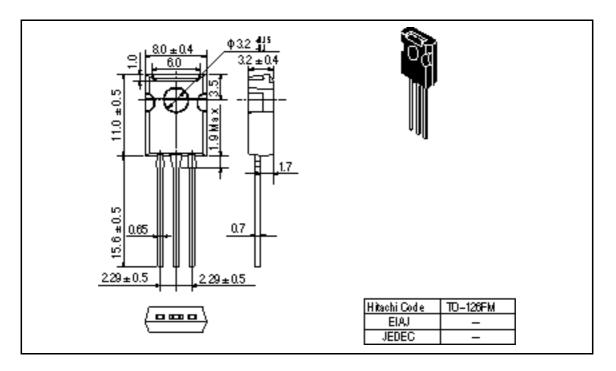
Main Characteristics





Package Dimentions

Unit: mm



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