Power Transistors

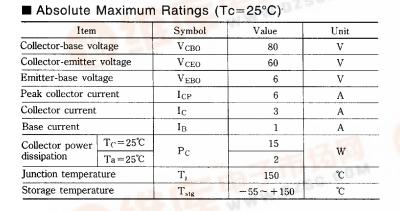
2SD2139

Silicon NPN Triple-Diffused Planar Type

High DC Current Gain (h_{FE}), Power Amplifier

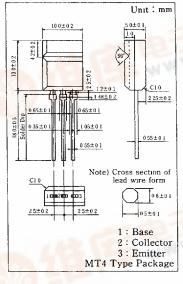
Features

- High DC current gain (h_{FE})
- Good linearity of DC current gain (hFE)
- Automatic mounting by radial taping is possible



Package Dimensions

加急出货



Electrical Characteristics (Tc=25°C)

Item	Symbol	Condition	min.	typ.	max.	Unit
Collector cutoff current	I _{CBO}	$V_{CB} = 80V, I_E = 0$			100	μA
Collector cutoff current	I _{CEO}	$V_{CE} = 40V, I_B = 0$			100	μA
Emitter cutoff current	I _{EBO}	$V_{EB} = 6V, I_C = 0$			100	μA
Collector-emitter voltage	VCEO	$I_{\rm C} = 25 {\rm mA}, I_{\rm B} = 0$	60			V
DC current gain	h _{FE} *	$V_{CE} = 4V, I_C = 0.5A$	500		2500	
Collector-emitter saturation voltage	V _{CE} (sat)	$I_{\rm C}=2{\rm A}, I_{\rm B}=0.05{\rm A}$			1	V
Transition frequency	fT	$V_{CF} = 12V, I_C = 0.2A, f = 10MHz$		50		MHz

*h_{FE} Classifications

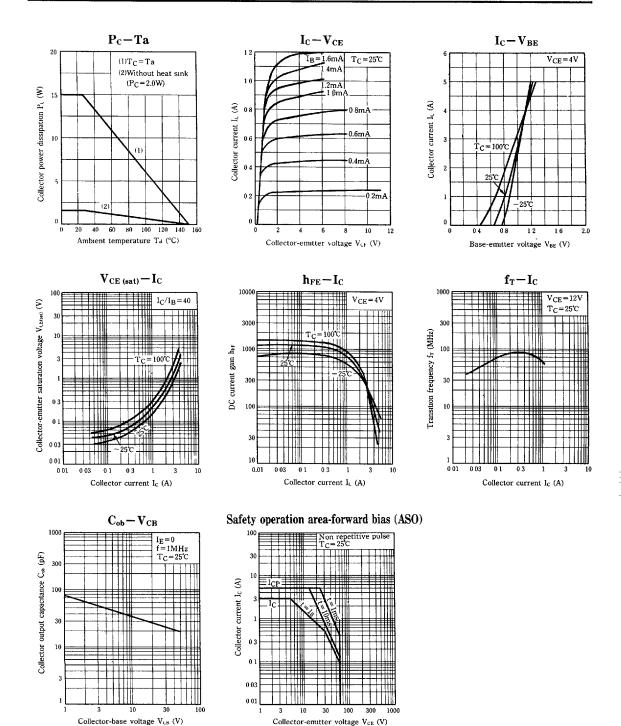
Class	Q	Р	0
$h_{\rm FE}$	500 ~ 1000	$800 \sim 1500$	$1200 \sim 2500$



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Power Transistors

2SD2139

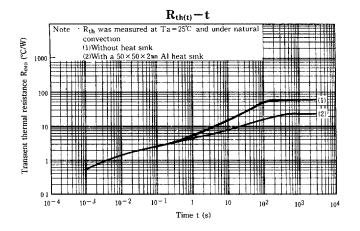


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Power Transistors



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