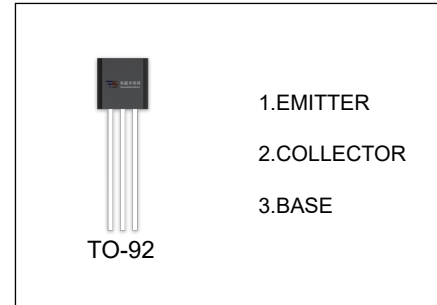


2SC3279 TRANSISTOR (NPN)

FEATURES

- High DC current gain and excellent h_{FE} linearity
- Low saturation voltage



ORDERING INFORMATION

Part Number	Package	Packing Method	Pack Quantity
2SC3279	TO-92	Bulk	1000pcs/Bag
2SC3279-TA	TO-92	Tape	2000pcs/Box

MAXIMUM RATINGS ($T_a=25^{\circ}\text{C}$ unless otherwise noted)

Symbol	Parameter	Value	Unit
V_{CBO}	Collector-Base Voltage	30	V
V_{CEO}	Collector-Emitter Voltage	10	V
V_{EBO}	Emitter-Base Voltage	6	V
I_C	Collector Current –Continuous	2	A
P_C	Collector Power Dissipation	750	mW
T_J, T_{stg}	Operation Junction and Storage Temperature Range	-55-150	$^{\circ}\text{C}$

T_a=25 °C unless otherwise specified

Parameter	Symbol	Test conditions	Min	Typ	Max	Unit
Collector-base breakdown voltage	V _{(BR)CBO}	I _C =1mA, I _E =0	30			V
Collector-emitter breakdown voltage	V _{(BR)CEO}	I _C =10mA, I _B =0	10			V
Emitter-base breakdown voltage	V _{(BR)EBO}	I _E =1mA, I _C =0	6			V
Collector cut-off current	I _{CBO}	V _{CB} =30 V, I _E =0			0.1	μA
Emitter cut-off current	I _{EBO}	V _{EB} =6 V, I _C =0			0.1	μA
DC current gain	h _{FE}	V _{CE} =1V, I _C =0.5A	140		600	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =2A, I _B = 100mA			0.82	V
Base-emitter voltage	V _{BE}	I _C = 2A, V _{CE} =1V			1.5	V
Transition frequency	f _T	V _{CE} =1V, I _C = 0.5A		150		MHz
Collector output capacitance	C _{ob}	V _{CB} =10V, I _E =0, f=1MHz		27		pF

CLASSIFICATION OF h_{FE}

Rank	L	M	N	P
Range	140-240	200-330	300-450	420-600