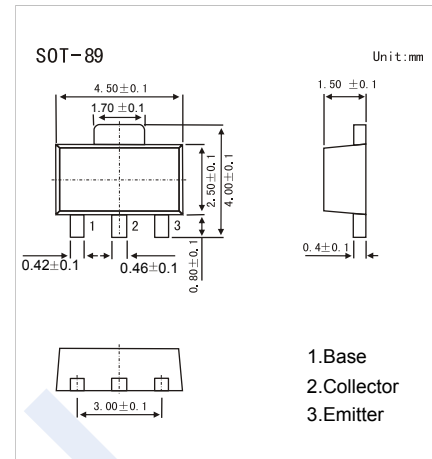


NPN Transistors

2SC2881

■ Features

- Small Flat Package
- High Transition Frequency
- High Voltage
- Complementary to 2SA1201



■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Collector - Base Voltage	V _{CB0}	120	V
Collector - Emitter Voltage	V _{CEO}	120	
Emitter - Base Voltage	V _{EBO}	5	
Collector Current - Continuous	I _C	800	mA
Base Current	I _B	160	
Collector Power Dissipation	P _C	500	mW
Thermal Resistance From Junction To Ambient	R _{θJA}	250	°C/W
Junction Temperature	T _J	150	°C
Storage Temperature Range	T _{stg}	-55 to 150	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector- base breakdown voltage	V _{CB0}	I _C = 100uA, I _E = 0	120			V
Collector- emitter breakdown voltage	V _{CEO}	I _C = 10mA, I _B = 0	120			
Emitter - base breakdown voltage	V _{EBO}	I _E = 100uA, I _C = 0	5			
Collector-base cut-off current	I _{CBO}	V _{CB} = 120V, I _E = 0			0.1	uA
Emitter cut-off current	I _{EBO}	V _{EB} = 5V, I _C =0			0.1	
Collector-emitter saturation voltage	V _{CE(sat)}	I _C =500 mA, I _B =50mA			1	V
Base - emitter saturation voltage	V _{BE(sat)}	I _C =500 mA, I _B =50mA			1.2	
Base - emitter voltage	V _{BE}	V _{CE} = 5V, I _C = 0.5A			1	
DC current gain	h _{FE}	V _{CE} = 5V, I _C = 100mA	80		240	
Collector output capacitance	C _{ob}	V _{CB} = 10V, I _E = 0, f=1MHz			30	pF
Transition frequency	f _T	V _{CE} = 5V, I _C = 100mA		120		MHz

■ Classification of h_{FE}

Type	2SC2881-O	2SC2881-Y
Range	80-160	120-240
Marking	CO*	CY*

NPN Transistors

2SC2881

Typical Characteristics

