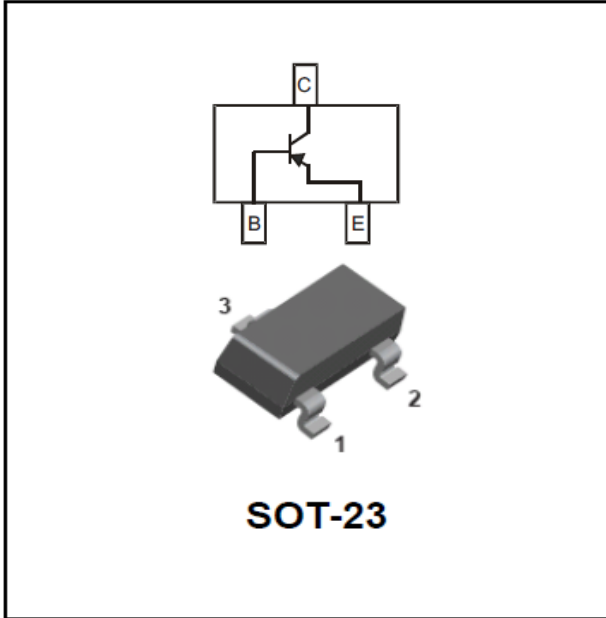




S9015

PNP Transistor



Features

- Epoxy meets UL-94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking: M6

■ Maximum Ratings (Ta=25°C unless otherwise noted)

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	VCBO	V		-50
Collector-Emitter Voltage	VCEO	V		-45
Emitter-Base Voltage	VEBO	V		-5
Collector Current	IC	A		-0.1
Total Device Dissipation	PC	W		0.2
Junction Temperature	Tj	°C		150
Storage Temperature	TSTG	°C		-30 to +150

■ Electrical Characteristics (Ta=25°C unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C = -100\mu A, I_E = 0$	-50		
Collector-emitter breakdown voltage	$V_{(BR)CEO^*}$	V	$I_C = -0.1mA, I_B = 0$	-45		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	$I_E = -100\mu A, I_C = 0$	-5		
Collector cut-off current	I_{CBO}	μA	$V_{CB} = -50V, I_E = 0$			-0.1
Emitter cut-off current	I_{EBO}	μA	$V_{EB} = -5V, I_C = 0$			-0.1
DC current gain	h_{FE}	V	$V_{CE} = -5V, I_C = -1mA$	200		1000
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C = -100mA, I_B = -10mA$			-0.3
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C = -100mA, I_B = -10mA$			-1
Transition frequency	f_T	MHz	$V_{CE} = -5V, I_C = -10mA, f = 30MHz$	150		