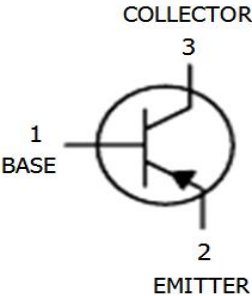
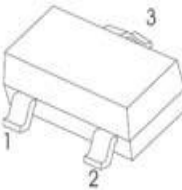


TRANSI STOR (PNP)		SOT-23 Plastic-Encapsulate Transistors																																					
<u>SOT-23</u>  1.BASE 2.EMITTER 3.COLLECTOR Marking :CS		Features ※ Complement to C945 ※ Collector-Base Voltage																																					
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ELECTRICAL CHARACTERISTICS (Ta=25°C unless otherwise specified)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-base breakdown voltage	V (BR) CBO	IC= -5 μ A, IE=0	-60			V
Collector-emitter breakdown voltage	V (BR) CEO	IC= -1mA, IB=0	-50			V
Emitter-base breakdown voltage	V (BR) EBO	IE=-50 μ A, IC=0	-5			V
Collector cut-off current	ICBO	VCB=-60 V, IE=0			-0.1	μ A
Emitter cut-off current	IEBO	VEB= -5V, IC=0			-0.1	μ A
DC current gain	hFE	VCE=-6V, IC= -1mA	120		475	
	hFE	VCE=-6V, IC= -0.1mA	40			
Collector-emitter saturation voltage	VCE(sat)	IC=-100 mA, IB= -10mA		-0.18	-0.3	V
Base-emitter saturation voltage	VBE(on)	VCE=-6V, IC= -1.0mA	-0.58	-0.62	-0.68	V
Transition frequency	fT	VCE=-6V, IC= -10mA f=30MHz	50			MHz
Collector Output Capacitance	Cob	VCE=-10V, IE= 0 f=1MHz		4.5	7	pf
Noise Figure	NF	VCE=-6V, IC= -0.3mA Rg=10k Ω ; f=100Hz		6	20	dB

TYPICAL ELECTRICAL AND THERMAL CHARACTERISTICS

