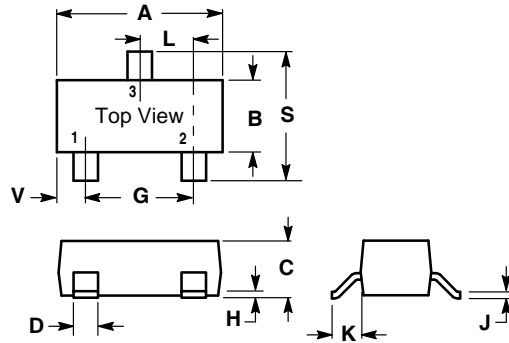
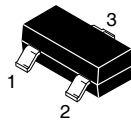
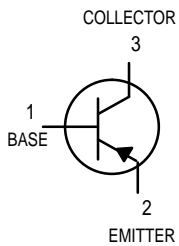


RoHS Compliant Product

Feature

- Complements the 2SC4081F



SOT-323		
Dim	Min	Max
A	1.800	2.200
B	1.150	1.350
C	0.800	1.000
D	0.300	0.400
G	1.200	1.400
H	0.000	0.100
J	0.100	0.250
K	0.350	0.500
L	0.590	0.720
S	2.000	2.400
V	0.280	0.420
All Dimension in mm		

Marking Code: 5AX
X = hFE Rank Code

Absolute Maximum Ratings at Ta = 25°C

Parameter	Symbol	Ratings	Unit
Junction Temperature	Tj	+150	°C
Storage Temperature	Tstg	-55~+150	°C
Collector to Base Voltage	VCBO	-60	V
Collector to Emitter Voltage	VCEO	-50	V
Emitter to Base Voltage	VEBO	-6	V
Collector Current	IC	-150	mA
Total Power Dissipation	PD	225	mW

Characteristics at Ta = 25°C

Parameter	Symbol	Min	Typ.	Max	Unit	Test Conditions
Collector-Base Breakdown Voltage	BVCBO	-60	-	-	V	IC=-50uA
Collector-Emitter Breakdown Voltage	BVCEO	-50	-	-	V	IC=-1mA
Emitter-Base Breakdown Voltage	BVEBO	-6	-	-	V	IE=-50uA
Collector-Emitter Breakdown Voltage	ICBO	-	-	-100	nA	VCB=-60V
Emitter-Base Cutoff Current	IEBO	-	-	-100	nA	VEB=-6V
Collector Saturation Voltage 1	VCE(sat)	-	-	-500	mV	IC=-50mA, IB=-5mA
DC Current Gain	hFE	120	-	560	-	VCE=-6V, IC=-1mA
Gain-Bandwidth Product	fT	-	140	-	MHz	VCE=-12V, IE=-2mA, f=100MHz
Output Capacitance	Cob	-	4.0	5.0	pF	VCB=-12V, f=1MHz, IE=0

*Pulse Test: Pulse Width = 380us, Duty Cycle = 2%

Classification of hFE

Rank	Q	R	S
Range	120 - 270	180 - 390	270 - 560

Characteristics Curve

