

RoHS Compliant Product  
A suffix of "-C" specifies halogen & lead-free

## FEATURES

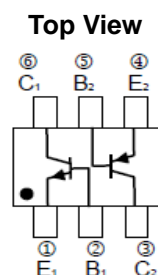
- Two transistors in one package
- Reduces number of components and board space
- No mutual interference between the transistors

## MARKING :

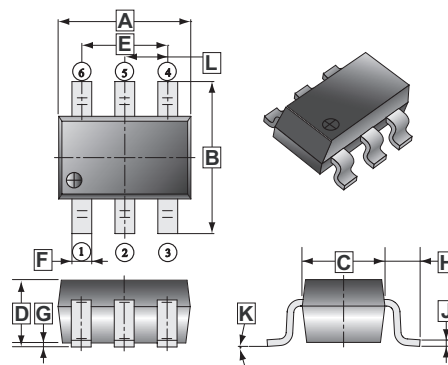
4Ft

## PACKAGE INFORMATION

Package	MPQ	Leader Size
SOT-363	3K	7 inch



## SOT-363



REF.	Millimeter		REF.	Millimeter	
	Min.	Max.		Min.	Max.
A	2.00	2.20	G	0.100 REF.	
B	2.15	2.45	H	0.525 REF.	
C	1.15	1.35	J	0.08	0.15
D	0.90	1.10	K	8°	
E	1.20	1.40	L	0.650 TYP.	
F	0.15	0.35			

## ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	V <sub>(BR)CBO</sub>	80	V
Collector-Emitter Voltage	V <sub>(BR)CEO</sub>	65	V
Emitter-Base Voltage	V <sub>(BR)EBO</sub>	6	V
Collector Current	I <sub>C</sub>	0.1	A
Collector Power Dissipation	P <sub>C</sub>	200	mW
Junction & Storage Temperature	T <sub>J</sub> , T <sub>STG</sub>	150, -65~150	°C

## ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector-Base Breakdown Voltage	V <sub>(BR)CBO</sub>	80	-	-	V	I <sub>C</sub> =10μA, I <sub>E</sub> =0
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	65	-	-		I <sub>C</sub> =10mA, I <sub>B</sub> =0
Emitter-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	6	-	-		I <sub>E</sub> =10μA, I <sub>C</sub> =0
Collector Cut-Off Current	I <sub>CBO</sub>	-	-	15	nA	V <sub>CB</sub> =30V, I <sub>E</sub> =0
Emitter Cut-Off Current	I <sub>EBO</sub>	-	-	5	μA	V <sub>EB</sub> =5V, I <sub>C</sub> =0
DC Current Gain	h <sub>FE</sub>	110	-	-		V <sub>CE</sub> =5V, I <sub>C</sub> =2mA
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	-	-	0.1	V	I <sub>C</sub> =10mA, I <sub>B</sub> =0.5mA
	V <sub>CE(sat)</sub>	-	-	0.3	V	I <sub>C</sub> =100mA, I <sub>B</sub> =5mA
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>	-	0.77	-	V	I <sub>C</sub> =10mA, I <sub>B</sub> =0.5mA
Transition Frequency	f <sub>T</sub>	100	-	-	MHz	V <sub>CB</sub> =5V, I <sub>E</sub> =10mA, f=100MHz
Collector Output Capacitance	C <sub>ob</sub>	-	-	1.5	pF	V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz