

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

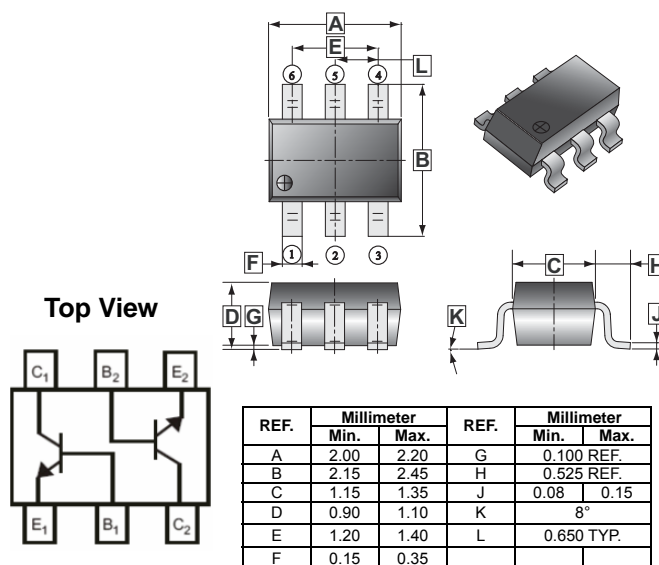
**MARKING :**

4Ft

**PACKAGE INFORMATION**

Package	MPQ	Leader Size
SOT-363	3K	7 inch

**SOT-363**



**ABSOLUTE MAXIMUM RATINGS** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

Parameter	Symbol	Value	Unit
Collector-Base Voltage	$V_{(BR)CBO}$	80	V
Collector-Emitter Voltage	$V_{(BR)CEO}$	65	V
Emitter-Base Voltage	$V_{(BR)EBO}$	6	V
Collector Current	$I_C$	0.1	A
Collector Power Dissipation	$P_C$	200	mW
Junction & Storage Temperature	$T_J, T_{STG}$	150, -65~150	$^\circ\text{C}$

**ELECTRICAL CHARACTERISTICS** ( $T_A=25^\circ\text{C}$  unless otherwise noted)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	80	-	-	V	$I_C=10\mu\text{A}, I_E=0$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	65	-	-		$I_C=10\text{mA}, I_B=0$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	6	-	-		$I_E=10\mu\text{A}, I_C=0$
Collector Cut-Off Current	$I_{CBO}$	-	-	15	nA	$V_{CB}=30\text{V}, I_E=0$
Emitter Cut-Off Current	$I_{EBO}$	-	-	5	$\mu\text{A}$	$V_{EB}=5\text{V}, I_C=0$
DC Current Gain	$h_{FE}$	110	-	-		$V_{CE}=5\text{V}, I_C=2\text{mA}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	0.1	V	$I_C=10\text{mA}, I_B=0.5\text{mA}$
	$V_{CE(sat)}$	-	-	0.3	V	$I_C=100\text{mA}, I_B=5\text{mA}$
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	-	0.77	-	V	$I_C=10\text{mA}, I_B=0.5\text{mA}$
Transition Frequency	$f_T$	100	-	-	MHz	$V_{CB}=5\text{V}, I_E=10\text{mA}, f=100\text{MHz}$
Collector Output Capacitance	$C_{ob}$	-	-	1.5	pF	$V_{CB}=10\text{V}, I_E=0, f=1\text{MHz}$