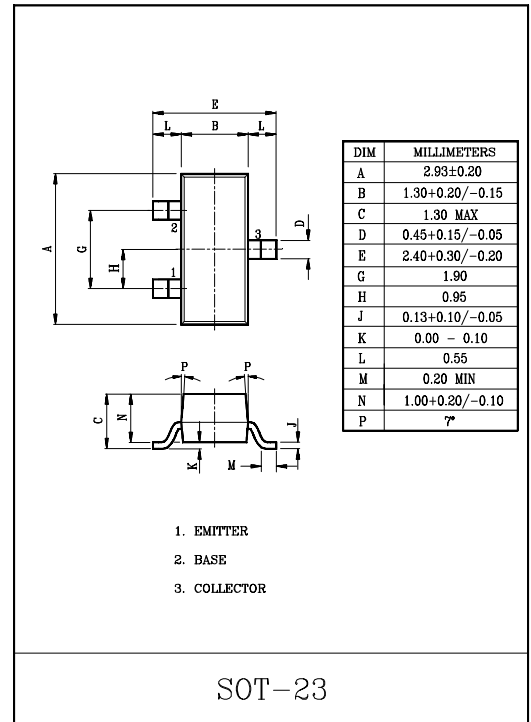


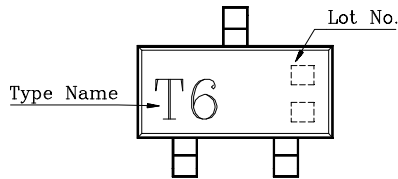
GENERAL PURPOSE APPLICATION.  
SWITCHING APPLICATION.

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V <sub>CBO</sub>	-110	V
Collector-Emitter Voltage	V <sub>CEO</sub>	-100	V
Emitter-Base Voltage	V <sub>EBO</sub>	-6	V
Collector Current	I <sub>C</sub>	-100	mA
Emitter Current	I <sub>E</sub>	100	mA
Collector Power Dissipation	P <sub>C</sub>	200	mW
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	-65~150	°C



Marking



ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> =-10mA, I <sub>B</sub> =0	-100	-	-	V
Collector-Base Breakdown Voltage	V <sub>(BR)CBO</sub>	I <sub>C</sub> =-10μA, I <sub>E</sub> =0	-110	-	-	V
Emitter-Base Breakdown Voltage	V <sub>(BR)EBO</sub>	I <sub>E</sub> =-10μA, I <sub>C</sub> =0	-6	-	-	V
Collector Cut-off Current	I <sub>CBO</sub>	V <sub>CB</sub> =-90V, I <sub>E</sub> =0	-	-	-100	nA
		V <sub>CB</sub> =-90V, I <sub>E</sub> =0, Ta=150°C	-	-	-50	μA
Emitter Cut-off Current	I <sub>EBO</sub>	V <sub>EB</sub> =-5V, I <sub>C</sub> =0	-	-	-200	nA
DC Current Gain	h <sub>FE</sub>	V <sub>CE</sub> =-1V, I <sub>C</sub> =-10mA	30	-	-	
		V <sub>CE</sub> =-1V, I <sub>C</sub> =-25mA	30	-	-	
Base-Emitter Saturation Voltage	V <sub>BE(sat)</sub>	I <sub>C</sub> =-25mA, I <sub>B</sub> =-2.5mA	-	-	-0.9	V
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =-25mA, I <sub>B</sub> =-2.5mA	-	-	-0.25	V
		I <sub>C</sub> =-75mA, I <sub>B</sub> =-7.5mA	-	-	-0.9	
Transition Frequency	f <sub>T</sub>	I <sub>C</sub> =-25mA, V <sub>CE</sub> =-5V, f=100MHz	50	-	-	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> =-10V, I <sub>E</sub> =0, f=1MHz	-	3	-	pF

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