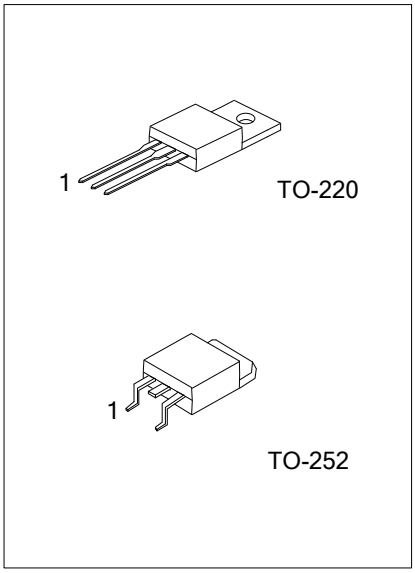
MJE2955T

PNP SILICON TRANSISTOR

HIGH VOLTAGE TRANSISTOR



■ DESCRIPTION

The UTC **MJE2955T** is designed for general purpose of amplifier and switching applications.

■ ORDERING INFORMATION

Ordering Number		Package	Pin Assignment			Packing
Lead Free	Halogen Free		1	2	3	
MJE2955TL-TA3-T	MJE2955TG-TA3-T	TO-220	B	C	E	Tube
MJE2955TL-TN3-R	MJE2955TG-TN3-R	TO-252	B	C	E	Tape Reel

Note: B:BASE C: COLLECTOR E: EMITTER

MJE2955TL-TA3-R

(1)Packing Type
(2)Package Type
(3)Lead Plating

(1) T: Tube, R: Tape Reel
(2) TA3: TO-220, TN3: TO-252
(3) L: Lead Free Plating, G: Halogen Free

■ ABSOLUTE MAXIMUM RATING

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V_{CBO}	-70	V
Collector-Emitter Voltage	V_{CEO}	-60	V
Emitter-Base Voltage	V_{EBO}	-5	V
Collector current	I_C	-10	A
Base Current	I_B	-6	A
Total Power Dissipation (T_A=25°C)	P_C	75	W
Junction Temperature	T_J	+150	°C
Storage Temperature	T_{STG}	-55 ~ +150	°C

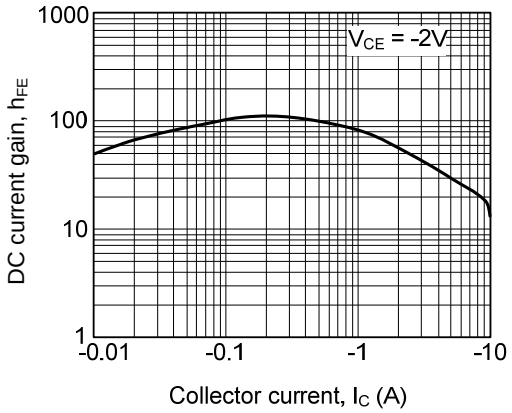
Note: 1. Absolute maximum ratings are those values beyond which the device could be permanently damaged. Absolute maximum ratings are stress ratings only and functional device operation is not implied.
2. The device is guaranteed to meet performance specification within 0°C ~70°C

■ ELECTRICAL CHARACTERISTICS (T_A=25°C, unless otherwise specified)

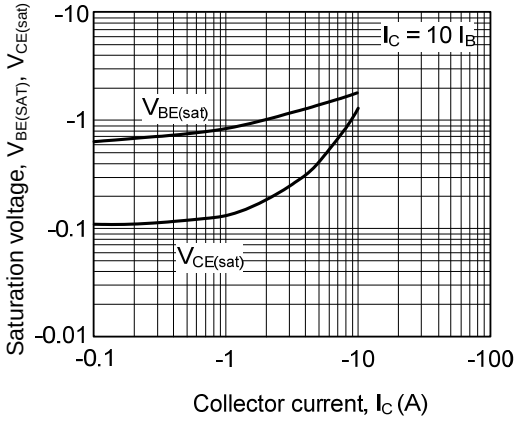
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-Emitter Breakdown Voltage	BV_{CEO}	I_C=-200mA	-60			V
Collector-Base Breakdown Voltage	BV_{CBO}	I_C=-10mA	-70			V
Emitter-Base Breakdown Voltage	BV_{EBO}	I_E=-10mA	-5			V
Collector Cut-Off Current	I_{CBO}	V_{CB}=-70V			-1	mA
	I_{CEO}	V_{CE}=-30V			-700	μA
	I_{CEX}	V_{CE}=-70V, $V_{EB(OFF)}$=-1.5V			-1	mA
Emitter Cut-Off Current	I_{EBO}	V_{EB}=-5V			-5	mA
Collector-Emitter Saturation Voltage	$V_{CE(SAT)1}$	I_C=-4A, I_B=-0.4A			-1.1	V
	$V_{CE(SAT)2}$	I_C=-10A, I_B=-3.3A			-8.0	
Baser-Emitter on Voltage	$V_{BE(ON)}$	V_{CE}=-4V, I_C=-4A			-1.8	V
DC Current Gain	h_{FE1}	I_C=-4A, V_{CE}=-4V	20		100	
	h_{FE2}	I_C=-10A, V_{CE}=-4V	5			
Current Gain Bandwidth Product	f_T	V_{CE}=-10V, I_C=-0.5A, f=1MHz	2			MHZ

■ TYPICAL CHARACTERISTICS

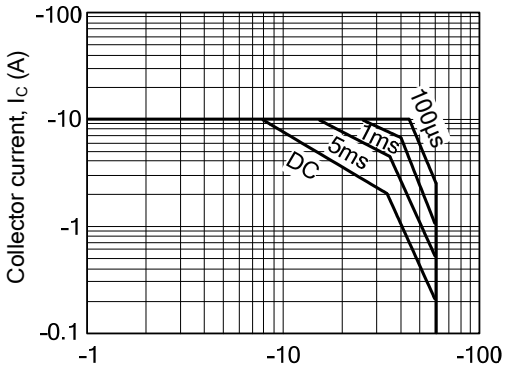
DC current Gain



Base-Emitter Saturation Voltage
Collector-Emitter Saturation Voltage



Safe Operating Area



Power Derating