

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		Deekoge	Pin Assignment			Deelving	
Lead Free	Halogen Free	Раскаде	1	2	3	Packing	
MJE2955TL-TA3-T	MJE2955TG-TA3-T	TO-220	В	С	Е	Tube	
MJE2955TL-TF1-T	MJE2955TG-TF1-T	TO-220F1	В	С	Е	Tube	
MJE2955TL-TM3-T	MJE2955TG-TM3-T	TO-251	В	С	Е	Tube	
MJE2955TL-TN3-R	MJE2955TG-TN3-R	TO-252	В	С	Е	Tape Reel	

Note: Pin Assignment: B: Base C: Collector E: Emitter

MJE2955TG- <u>TA3-</u> T	(1)Packing Type (2)Package Type (3)Green Package	 (1) T: Tube, R: Tape Reel (2) TA3: TO-220, TF1: TO-220F1, TM3: TO-251 TN3: TO-252 (3) G: Halogen Free and Lead Free L: Lead Free
	(3)Green Package	(3) G: Halogen Free and Lead Free, L: Lead Free

MARKING



■ 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		lc	-10	A
Base Current		IB	-6	A
Power Dissipation (T _A =25°C)	TO-220	- P _D	75	W
	TO-220F1		18	W
	TO-251		20	14/
	TO-252		20	٧V
Junction Temperature		TJ	+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	
	I _{CBO}	V _{CB} =-70V			-1	mA	
Collector Cut-Off Current	I _{CEO}	V _{CE} =-30V			-700	μΑ	
	I _{CEX}	V_{CE} =-70V, $V_{EB(OFF)}$ =-1.5V			-1	mA	
Emitter Cut-Off Current	I _{EBO}	V _{EB} =-5V			-5	mΑ	
Collector Emitter Saturation Voltage	V _{CE(SAT)1}	I _C =-4A, I _B =-0.4A			-1.1	V	
Collector-Emitter Saturation voltage	V _{CE(SAT)2}	I _C =-10A, I _B =-3.3A			-8.0	v	
Baser-Emitter on Voltage	V _{BE(ON)}	V _{CE} =-4V, I _C =-4A			-1.8	V	
DC Current Coin	h _{FE1}	I _C =-4A, V _{CE} =-4V	20		100		
DC Current Gain	h _{FE2}	I _C =-10A, V _{CE} =-4V	5				
Current Gain Bandwidth Product	f⊤	V _{CE} =-10V, I _C =-0.5A, f=1MHz	2			MHZ	



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TYPICAL CHARACTERISTICS



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