UNISONIC TECHNOLOGIES CO., LTD

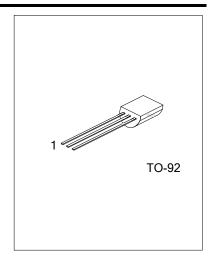
2SC3355

NPN SILICON EPITAXIAL TRANSISTOR

HIGH FREQUENCY LOW NOISE AMPLIFIER

FEATURES

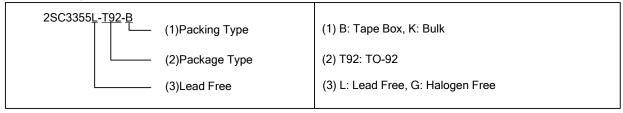
- * Low Noise and High Gain
- * High Power Gain



ORDERING INFORMATION

Ordering Number		Doolsono	Pin Assignment			De elsisses	
Lead Free	Halogen Free	Package	1	2	3	Packing	
2SC3355L-T92-B	2SC3355G-T92-B	TO-92	В	Е	С	Tape Box	
2SC3355L-T92-K	2SC3355G-T92-K	TO-92	В	Е	С	Bulk	

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



MARKING INFORMATION

PACKAGE	MARKING			
TO-92	UTC 2SC3355 L: Lead Free G: Halogen Free			

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■ ABSOLUTE MAXIMUM RATING (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-base voltage	V_{CBO}	20	V
Collector-emitter voltage	V_{CEO}	12	V
Emitter-base voltage	V_{EBO}	3	V
Collector current	Ic	100	mA
Total power dissipation	P _T	600	mW
Junction Temperature	T _J	125	°C
Operating Temperature	T _{OPR}	-20 ~ + 85	°C
Storage Temperature	T _{STG}	-40 ~ +150	°C

Notes: 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.

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

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cutoff Current	I _{CBO}	$V_{CB}=10V$, $I_{E}=0$			1.0	μΑ
Emitter Cutoff Current	I _{EBO}	$V_{EB}=1V$, $I_{C}=0$			1.0	μΑ
DC Current Gain	h _{FE}	V _{CE} =10V, I _C =20mA	50		300	
Gain bandwidth Product	f⊤	V _{CE} =10V, I _C =20mA		7		GHz
Feed-Back Capacitance	C_{re}	V _{CB} =10V, I _E =0, f=1.0MHz			1.0	pF
Noise Figure	NF	V _{CE} =10V, I _C =7mA, f=1.0GHz		1.1		dB

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