

UNISONIC TECHNOLOGIES CO., LTD

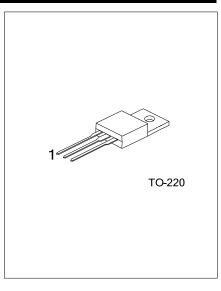
2SA940

PNP SILICON TRANSISTOR

PNP SILICON POWER TRANSISTORS

FEATURES

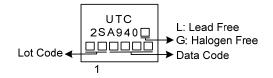
- * Collector-Emitter Voltage: V_{CEO}=-150V (Min.)
- * DC Current Gain: h_{FE}=40~140 @ I_C=-500mA
- * Complementary of NPN 2SC2073



ORDERING INFORMATION

Ordering Number		Deekege	Pin Assignment			Dooking
Lead Free	Halogen Free	Package	1	2	3	Packing
2SA940L- TA3-T	2SA940G-TA3-T	TO-220	В	С	Е	Tube
Note: Pin Assignment: B: Base C: Collector E: Emitter						
2SA940G-TA3-T (1)Packing Type (1) T: Tube (2)Package Type (2)Package Type (3)Green Package (3)Green Package (3) G: Halogen Free and Lead Free, L: Lead Free						Lead Free

MARKING



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

PARAMETER	SYMBOL	RATINGS	UNIT
Collector- Base Voltage	V _{CBO}	-150	V
Collector-Emitter Voltage	V _{CEO}	-150	V
Emitter-Base Voltage	V _{EBO}	-5.0	V
Best Current	Ι _Β	-0.5	А
Collector Current Continuous	lc	-1.5	А
Collector Current Peak	I _{CM}	-3.0	А
Collector Dissipation	Pc	25	W
Junction Temperature	TJ	+150	°C
Storage Temperature	T _{STG}	-55 ~ +150	°C

Notes: 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.

THERMAL CHARACTERISTICS

PARAMETER	SYMBOL	RATINGS	UNIT
Junction-to-Case	θ _{JC}	5.0	°C/W

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

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT		
OFF CHARACTERISTICS							
BV_{CBO}	I _C =-1.0mA, I _B =0	-150			V		
BV _{CEO}	I _C =-5.0mA, I _B =0	-150			V		
BV_{EBO}	I _B =-1.0mA, I _C =0	-5.0			V		
I _{CBO}	V _{CB} =-120V, I _E =0			-10	μA		
I _{EBO}	V _{EB} =-5.0V, I _C =0			-10	μA		
ON CHARACTERISTICS							
h _{FE}	V _{CE} =-10V, I _C =-0.5A	40		140			
V _{BE(ON)}	V _{CE} =-5.0V, I _C =-500mA	-0.65		-0.85	V		
	I _C =-0.5A, I _B =-50mA			-1.5	V		
f _T	V _{CE} =-10V, I _C =-0.5A, f =1MHz	4.0			MH_{Z}		
	BV _{CBO} BV _{EBO} I _{CBO} I _{EBO} h _{FE} V _{BE(ON)}	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $		



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