

UNISONIC TECHNOLOGIES CO., LTD

2SC4672

NPN SILICON TRANSISTOR

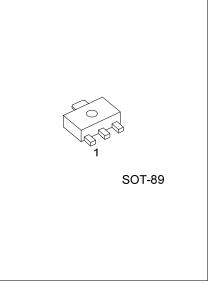
LOW FREQUENCY TRANSISTOR (50V,2A)

DESCRIPTION

The UTC 2SC4672 is a low frequency transistor. Excellent DC current gain characteristics.

FEATURES

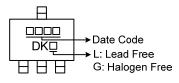
*Low Saturation Voltage, Typically V_{CE(SAT)}=0.1V at I_C / I_B=1A / 50mA *Excellent DC Current Gain Characteristics



ORDERING INFORMATION

Order Number		Daakaga	Pin Assignment		Docking	
Lead Free	Halogen Free	Package	1	2	3	Packing
2SC4672L-x-AB3-R	2SC4672G-x-AB3-R	SOT-89	В	С	Е	Tape Reel
Note: Pin Assignment: B: Base C: Collector E: Emitter						
2SC4672G-x-AB3-R (1)Packing Type (2)Package Type (3)Rank (4)Green Package		(1) R: Tape Re (2) AB3: SOT-((3) x: refer to C (4) G: Halogen	39 Classific			e, L: Lead Free

MARKING



■ ABSOLUATE MAXIUM RATINGS (T_A= 25°C, unless otherwise specified)

DADAMETED	0/4/201	DATINGO	1.15.117
PARAMETER	SYMBOL	RATINGS	UNIT
Collector to Base Voltage	V _{CBO}	60	V
Collector to Emitter Voltage	V _{CEO}	50	V
Emitter to Base Voltage	V _{EBO}	6	V
Collector Current	lc	2	А
Collector Current (Pulse) (Note 2)	I _{CP}	5	А
Collector Dissipation	Pc	0.9 (Note 3)	W
Junction Temperature	TJ	+150	°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.

2. Single pulse, P_w=10ms.

3. Device mounted on FR-4 PCB with minimum recommended pad layout.

THERMAL DATA

PARAMETER	SYMBOL	RATINGS	UNIT
Junction to Ambient	θ_{JA}	250	°C/W
Junction to Case	θ _{JC}	40	°C/W

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

PARAMETER	MAX UNIT
Collector-Base Breakdown Voltage	V
Collector-Emitter Breakdown Voltage	V
mitter-Base Breakdown Voltage	V
Collector Cutoff Current	0.1 μΑ
mitter Cutoff Current	0.1 μA
Collector-Emitter Saturation Voltage	0.35 V
C Current Transfer Ratio	400
ransition Frequency	MHz
Output Capacitance	pF
ransition Frequency	400

Note : Measured using pulse current.

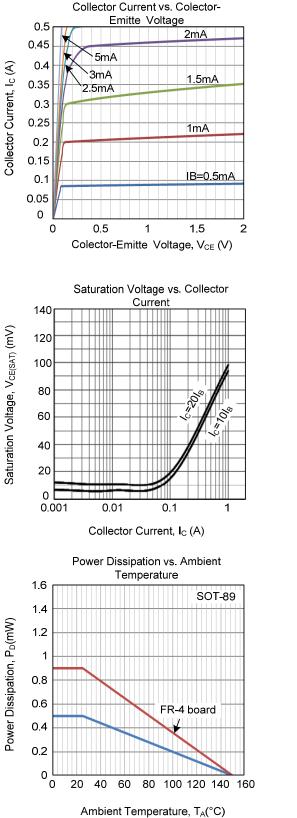
CLASSIFICATION OF h_{FE}

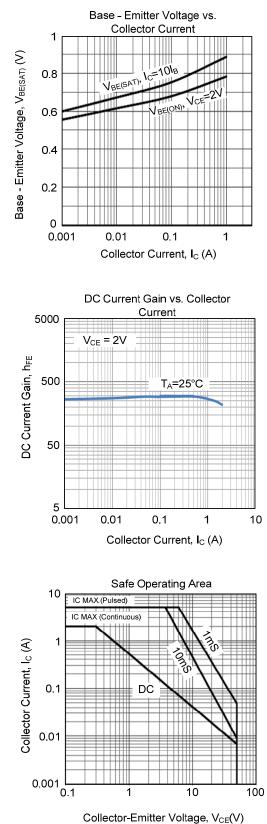
RANK	А	В
RANGE	120 ~ 240	200 ~ 400



2SC4672

TYPICAL CHARACTERISTICS







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