

**LOW FREQUENCY TRANSISTOR  
(50V,2A)**

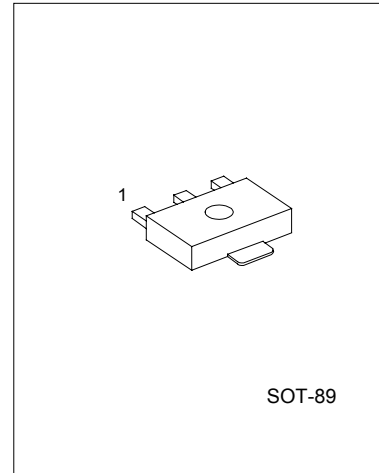
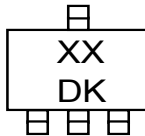
**DESCRIPTION**

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

**MARKING**



1:EMITTER 2:COLLECTOR 3:BASE

**ABSOLUTE MAXIMUM RATINGS ( Ta=25°C ,unless otherwise specified )**

PARAMETER	SYMBOL	VALUE	UNIT
Collector-Base Voltage	$V_{CB0}$	60	V
Collector-Emitter Voltage	$V_{CEO}$	50	V
Emitter-Base Voltage	$V_{EB0}$	6	V
Collector Power Dissipation	$P_c$	0.5	W
Collector Current(DC)	$I_c$	2	A
Collector Current(PULSE) (note 1)	$I_c$	5	A
Junction Temperature	$T_j$	150	°C
Storage Temperature	TSTG	-55 ~ +150	°C

Note1: Single pulse, PW=10ms

**ELECTRICAL CHARACTERISTICS(Ta=25°C,unless otherwise specified)**

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-base Breakdown Voltage	$BV_{CB0}$	$I_c=50\mu A$	60			V
Collector-emitter Breakdown Voltage	$BV_{CEO}$	$I_c=1mA$	50			V
Emitter-base Breakdown Voltage	$BV_{EB0}$	$I_E=50\mu A$	6			V
Collector Cutoff Current	$I_{CB0}$	$V_{CB}=60V$			0.1	$\mu A$
Emitter Cutoff Current	$I_{EB0}$	$V_{EB}=5V$			0.1	$\mu A$
Collector-emitter Saturation Voltage	$V_{CE(sat)}$	$I_C/I_B=1A/50mA$ (note1)		0.1	0.35	V
DC Current transfer ratio	hFE	$V_{CE}=2V, I_c=0.5A$ (note1)	120		400	
Transition Frequency	fT	$V_{CE}=2V, I_E=0.5A, f=100MHz$		210		MHz
Output Capacitance	$C_{ob}$	$V_{CB}=10V, I_E=0A, f=1MHz$		25		pF

Note 1: Measured using pulse current.

CLASSIFICATION OF hFE

RANK	A	B
RANGE	120-240	200-400