



UT3PP

Preliminary

DUAL TRANSISTOR

COMPOSITE TRANSISTORS

UT3PP

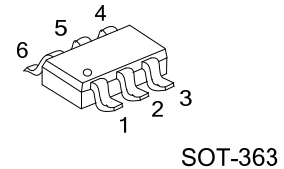
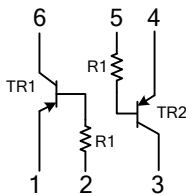
DESCRIPTION

As a composite transistor with resistor, the UTC **UT3PP** is for switching application.

FEATURES

- * Silicon Epitaxial Type
- * The Internal Tow Transistor Elements are Independent.

SYMBOL



SOT-363

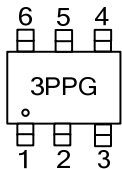
ORDERING INFORMATION

Ordering Number	Package	Pin Assignment						Packing
		1	2	3	4	5	6	
UT3PPG-AL6-R	SOT-363	E1	B1	C2	E2	B2	C1	Tape Reel

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

UT3PPG-AL6-R	(1)Packing Type (2)Package Type (3)Green Package	(1) R: Tape Reel (2) AL6: SOT-363 (3) G: Halogen Free and Lead Free
--------------	--	---

MARKING



■ **ABSOLUTE MAXIMUM RATINGS** ($T_A=25^{\circ}\text{C}$)

PARAMETER	SYMBOL	RATINGS	UNIT
Collector-Base Voltage	V_{CBO}	-50	V
Collector-Emitter Voltage	V_{CEO}	-50	V
Emitter-Base Voltage	V_{EBO}	-6	V
Collector Current	I_C	-100	mA
Peak Collector Current	I_{CM}	-200	mA
Collector Power dissipation	P_C	125	mW
Junction Temperature	T_J	+150	$^{\circ}\text{C}$
Storage Temperature	T_{STG}	-55 ~ +150	$^{\circ}\text{C}$

Note: 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** ($T_A=25^{\circ}\text{C}$, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=-100\mu\text{A}$	-50			V
Collector-Emitter Saturation Voltage	$V_{CE(SAT)}$	$I_C=-10\text{mA}$, $I_B=-0.5\text{mA}$			-0.3	V
Collector Cutoff Current	I_{CBO}	$V_{CB}=-50\text{V}$			-0.1	μA
DC Current Transfer Ratio	h_{FE}	$V_{CE}=-5\text{V}$, $I_C=-1\text{mA}$	100			
Transition Frequency	f_T	$V_{CE}=-6\text{V}$, $I_E=10\text{mA}$		150		MHz
Input Resistance	R_1		0.7	1.0	1.3	k Ω

UTC assumes no responsibility for equipment failures that result from using products at values that exceed, even momentarily, rated values (such as maximum ratings, operating condition ranges, or other parameters) listed in products specifications of any and all UTC products described or contained herein. UTC products are not designed for use in life support appliances, devices or systems where malfunction of these products can be reasonably expected to result in personal injury. Reproduction in whole or in part is prohibited without the prior written consent of the copyright owner. The information presented in this document does not form part of any quotation or contract, is believed to be accurate and reliable and may be changed without notice.