

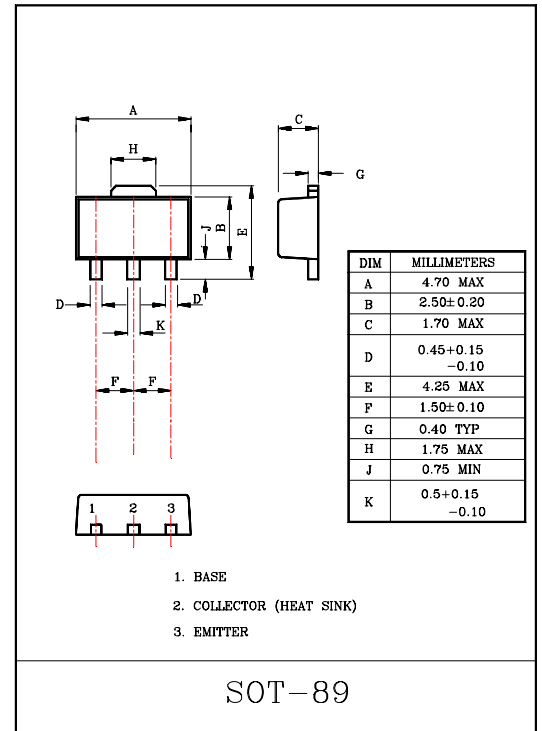
#### GENERAL PURPOSE APPLICATION.

#### FEATURES

- 1W (Mounted on Ceramic Substrate).
- Small Flat Package.
- Complementary to KTA1662.

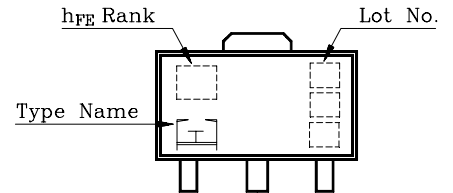
#### MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V <sub>CBO</sub>	80	V
Collector-Emitter Voltage	V <sub>CEO</sub>	80	V
Emitter-Base Voltage	V <sub>EBO</sub>	5	V
Collector Current	I <sub>C</sub>	400	mA
Base Current	I <sub>B</sub>	80	mA
Collector Power Dissipation	P <sub>C</sub>	500	mW
	P <sub>C</sub> *	1	W
Junction Temperature	T <sub>j</sub>	150	°C
Storage Temperature Range	T <sub>stg</sub>	-55~150	°C



P<sub>C</sub>\* : KTC4374 mounted on ceramic substrate (250mm<sup>2</sup>x0.8t)

#### Marking



#### ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	I <sub>CBO</sub>	V <sub>CB</sub> =80V, I <sub>E</sub> =0	-	-	100	nA
Emitter Cut-off Current	I <sub>EBO</sub>	V <sub>EB</sub> =5V, I <sub>C</sub> =0	-	-	100	nA
Collector-Emitter Breakdown Voltage	V <sub>(BR)CEO</sub>	I <sub>C</sub> =10mA, I <sub>B</sub> =0	80	-	-	V
DC Current Gain	h <sub>FE</sub> (1) (Note)	V <sub>CE</sub> =2V, I <sub>C</sub> =50mA	70	-	240	
	h <sub>FE</sub> (2)	V <sub>CE</sub> =2V, I <sub>C</sub> =200mA	50	-	-	
Collector-Emitter Saturation Voltage	V <sub>CE(sat)</sub>	I <sub>C</sub> =200mA, I <sub>B</sub> =20mA	-	-	0.4	V
Base-Emitter Voltage	V <sub>BE</sub>	V <sub>BE</sub> =2V, I <sub>C</sub> =5mA	0.55	-	0.8	V
Transition Frequency	f <sub>T</sub>	V <sub>CE</sub> =10V, I <sub>C</sub> =10mA	-	100	-	MHz
Collector Output Capacitance	C <sub>ob</sub>	V <sub>CB</sub> =10V, I <sub>E</sub> =0, f=1MHz	-	10	-	pF

Note : h<sub>FE</sub> Classification O:70~140, Y:120~240

# KTC4374

