

TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

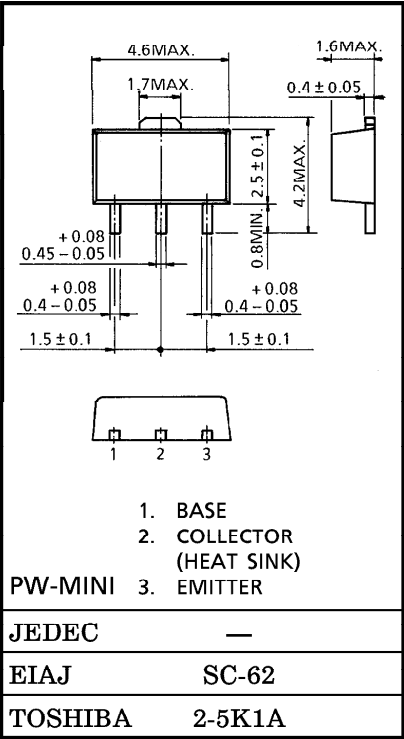
2SC4409

POWER AMPLIFIER APPLICATIONS.

POWER SWITCHING APPLICATIONS.

- Low Collector Saturation Voltage
: $V_{CE(sat)}=0.5V$ (Max.) (at $I_C=1A$)
- High Speed Switching Time : $t_{stg}=500ns$ (Typ.)
- Small Flat Package
- $P_C=1\sim 2W$ (Mounted on ceramic substrate)
- Complementary to 2SA1681

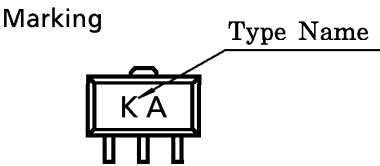
Unit in mm



MAXIMUM RATINGS ($T_a = 25^{\circ}C$)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V_{CBO}	80	V
Collector-Emitter Voltage	V_{CEO}	50	V
Emitter-Base Voltage	V_{EBO}	6	V
Collector Current	I_C	2	A
Base Current	I_B	0.2	A
Collector Power Dissipation	P_C	500	mW
Collector Power Dissipation	P_C^*	1000	mW
Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_{stg}	$-55\sim 150$	$^{\circ}C$

Weight : 0.05g



* : 2SC4409 mounted on ceramic substrate (250mm²×0.8t)

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