TOSHIBA TRANSISTOR SILICON NPN EPITAXIAL TYPE (PCT PROCESS)

2 S C 4 4 0 9

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

	Chit in min		
	7MAX. 0.4±0.05 1.6MAX. 0.4±0.05 1.008 0.4-0.05 1.5±0.1		
2	I. BASE 2. COLLECTOR (HEAT SINK) 3. EMITTER		
JEDEC	_		
EIAJ	SC-62		
TOSHIBA	2-5K1A		
Weight: 0.05g			
TE W			

MAXIMUM RATINGS (Ta = 25°C)

CHARACTERISTIC	SYMBOL	RATING	UNIT
Collector-Base Voltage	V _{CBO}	80	V
Collector-Emitter Voltage	V _{CEO}	50	V
Emitter-Base Voltage	$v_{ m EBO}$	6	V
Collector Current	$I_{\mathbf{C}}$	2	A
Base Current	I_{B}	0.2	A
Collector Power Dissipation	$P_{\mathbf{C}}$	500	mW
Collector Power Dissipation	PC *	1000	mW
Junction Temperature	T_j	150	°C
Storage Temperature Range	$T_{ m stg}$	-55 ~1 50	°C

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



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