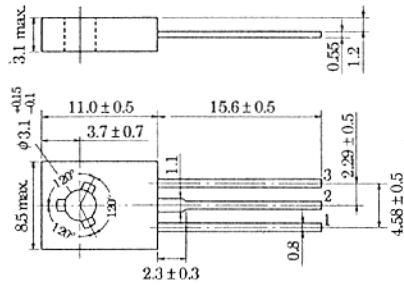


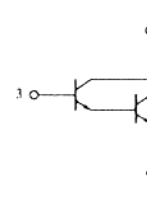
2SC2324 **K**

SILICON NPN EPITAXIAL

LOW FREQUENCY POWER AMPLIFIER



- 1. Emitter
 - 2. Collector
 - 3. Base
- (Dimensions in mm)



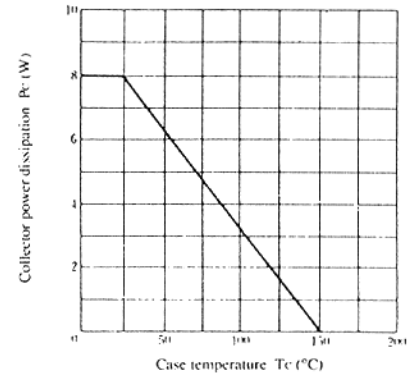
(JEDEC TO-126 MOD.)

■ ABSOLUTE MAXIMUM RATINGS (Ta=25°C)

Item	Symbol	2SC2324 K	Unit
Collector to base voltage	V _{CB0}	60	V
Collector to emitter voltage	V _{CEO}	60	V
Emitter to base voltage	V _{EB0}	7	V
Collector current	I _C	1	A
Collector peak current	i _{C(peak)}	2	A
Collector power dissipation	P _C	0.8	W
	P _{C*}	8	W
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

* Value at T_c = 25°C

MAXIMUM COLLECTOR DISSIPATION CURVE



■ ELECTRICAL CHARACTERISTICS (Ta=25°C)

Item	Symbol	Test Condition	min.	typ.	max.	Unit
Collector to emitter breakdown voltage	V _{(BR)CEO}	I _C = 1mA, R _{BE} = ∞	60	—	—	V
Emitter to base breakdown voltage	V _{(BR)EBO}	I _E = 0.1mA, I _C = 0	7	—	—	V
Collector cutoff current	I _{CBO}	V _{CB} = 60V, I _E = 0	—	—	10	μA
DC current transfer ratio	h _{FE}	V _{CE} = 10V, I _C = 500mA*	2000	—	—	
Collector to emitter saturation voltage	V _{CE(sat)}	I _C = 500mA, I _B = 0.5mA*	—	—	1.5	V
Base to emitter saturation voltage	V _{BE(sat)}		—	—	2.0	V
Turn on time	t _{on}	V _{CC} = 12V	—	100	—	ns
Turn off time	t _{off}	I _C = 250mA, I _{B1} = -I _{B2} = 5mA	—	600	—	ns

* Pulse Test

