

用途:用于电压调整器, 转播驱动器, 灯管驱动器, 电力设备。

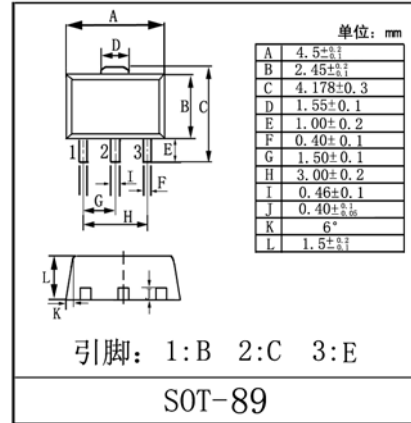
Purpose: Voltage regulators ,relay drivers lamp drivers, electrical equipment.

特点: 选用 MBIT 工艺规程, 集电极-发射集饱和压降低, 开关速度快, 小电流电容和宽阔的安全工作区, 可与互补 KTD1624 (3DG1624)。

Features: Adoption of MBIT processes, low collector-to-emitter saturation voltage, fast switching Speed, Large current capacity and wide ASO, Complementary to KTD1624 (3DG1624).

极限参数/Absolute maximum ratings(Ta=25°C)

参数符号 Symbol	数值 Rating	单位 Unit
V <sub>CBO</sub>	-60	V
V <sub>CEO</sub>	-50	V
V <sub>EBO</sub>	-6.0	V
I <sub>C</sub>	-3.0	A
I <sub>CP</sub>	-6.0	A
P <sub>c</sub> (Ta=25°C)	500	mW
P <sub>c</sub> (Tc=25°C)*	1	W
T <sub>j</sub>	150	°C
T <sub>stg</sub>	-55~150	°C



\*:Package mounted on ceramic substrate(250mm<sup>2</sup>×0.8t)

电性能参数/Electrical characteristics(Ta=25°C)

参数符号 Symbol	测试条件 Test condition	数值 Rating			单位 Unit
		最小值 Min	典型值 Typ	最大值 Max	
V <sub>CBO</sub>	I <sub>C</sub> =-10 μ A I <sub>E</sub> =0	-60			V
V <sub>CEO</sub>	I <sub>C</sub> =-1.0mA I <sub>B</sub> =0	-50			V
V <sub>EBO</sub>	I <sub>E</sub> =-10 μ A I <sub>C</sub> =0	-6.0			V
I <sub>CBO</sub>	V <sub>CB</sub> =-40V I <sub>E</sub> =0			-1.0	μ A
I <sub>EBO</sub>	V <sub>EB</sub> =-4.0V I <sub>C</sub> =0			-1.0	μ A
h <sub>FE(1)</sub>	V <sub>CE</sub> =-2.0V I <sub>C</sub> =-100mA	100		400	
h <sub>FE(2)</sub>	V <sub>CE</sub> =-2.0V I <sub>C</sub> =-3.0A	35			
V <sub>CE(sat)</sub>	I <sub>C</sub> =-2.0A I <sub>B</sub> =-100mA		-0.35	-0.7	V
V <sub>BE(sat)</sub>	I <sub>C</sub> =-2.0A I <sub>B</sub> =-100mA		-0.94	-1.2	V
f <sub>T</sub>	V <sub>CE</sub> =-10V I <sub>C</sub> =-50mA		150		MHz
C <sub>ob</sub>	V <sub>CB</sub> =-10V f=1MHz		39		pF
t <sub>on</sub>	-10I <sub>B1</sub> =10I <sub>B2</sub> =I <sub>C</sub> =1.0A		70		nS
t <sub>stg</sub>			450		nS
t <sub>f</sub>			35		nS

h<sub>FE(1)</sub> 分档、印章标记/h<sub>FE(1)</sub> Classifications、Marking:

h <sub>FE(1)</sub> 分档 h <sub>FE(1)</sub> Classifications	A	B	C
h <sub>FE(1)</sub> 范围 h <sub>FE(1)</sub> Range	100~200	140~280	200~400
印章 Marking	HXA	HXB	HXC

# KTB1124 (3CG1124)

