

VOLTAGE REGULATORS, RELAY DRIVERS
LAMP DRIVERS, ELECTRICAL EQUIPMENT

FEATURES

- Adoption of MBIT processes.
- Low collector- to- emitter saturation voltage.
- Fast switching speed.
- Large current capacity and wide ASO.
- Complementary to FTD1624.

MAXIMUM RATING (Ta=25°C)

Symbol	Rating	Unit
V _{CB0}	-60	V
V _{CE0}	-50	V
V _{EBO}	-6.0	V
I _C	-3.0	A
I _{CP}	-6.0	A
P _C (Ta=25°C)	500	mW
P _C (Tc=25°C)*	1	W
T _j	150	°C
T _{stg}	-55~150	°C

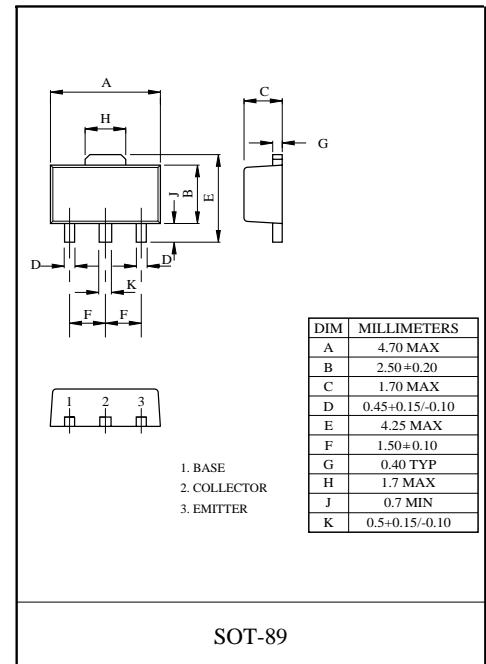
* : Package mounted on ceramic substrate(250mm²×0.8t)

Electrical characteristics(Ta=25°C)

Symbol	Test condition	Rating			Unit
		Min	Typ	Max	
V _{CB0}	I _C =-10 μ A I _E =0	-60			V
V _{CE0}	I _C =-1.0mA I _B =0	-50			V
V _{EBO}	I _E =-10 μ A I _C =0	-6.0			V
I _{CB0}	V _{CB} =-40V I _E =0			-1.0	μ A
I _{EBO}	V _{EB} =-4.0V I _C =0			-1.0	μ A
h _{FE(1)}	V _{CE} =-2.0V I _C =-100mA	100		400	
h _{FE(2)}	V _{CE} =-2.0V I _C =-3.0A	35			
V _{CE(sat)}	I _C =-2.0A I _B =-100mA		-0.35	-0.7	V
V _{BE(sat)}	I _C =-2.0A I _B =-100mA		-0.94	-1.2	V
f _T	V _{CE} =-10V I _C =-50mA		150		MHz
C _{ob}	V _{CB} =-10V f=1MHz		39		pF
t _{on}	-10I _{B1} =10I _{B2} =I _C =1.0A		70		nS
t _{stg}			450		nS
t _f			35		nS

h_{FE(1)} Classifications Marking :

h _{FE(1)} Classifications	A	B	C
h _{FE(1)} Range	100~200	140~280	200~400
Marking	HXA * **	HXB * **	HXC * **



●Electrical characteristic curves

