

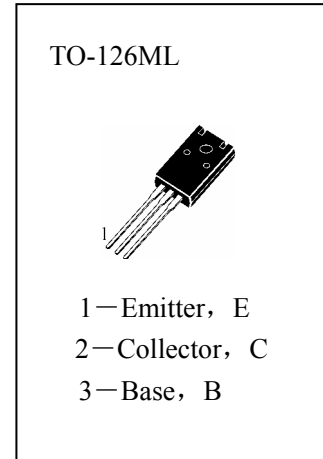
H3619

APPLICATIONS

High Voltage switching And amplifier.

ABSOLUTE MAXIMUM RATINGS (T_a=25°C)

- T_{stg}—Storage Temperature..... -55~150°C
- T_j—Junction Temperature..... 150°C
- P_C—Collector Dissipation (T_c=25°C) 1.5W
- V_{CBO}—Collector-Base Voltage..... 300V
- V_{CEO}—Collector-Emitter Voltage..... 300V
- V_{EBO}—Emitter-Base Voltage..... 7V
- I_C—Collector Current.....100mA
- I_b—Base Current.....50mA



ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
I _{CBO}	Collector Cut-off Current			1.0	μ A	V _{CB} =240V, I _E =0
I _{EBO}	Emitter Cut-off Current			1.0	μ A	V _{EB} =7V, I _C =0
H _{FE} (1)	DC Current Gain	20				V _{CE} =10V, I _C =4mA
H _{FE} (2)	DC Current Gain	30	200			V _{CE} =10V, I _C =20mA
V _{CE(sat)}	Collector- Emitter Saturation Voltage			1.0	V	I _C =10mA, I _B =1mA
V _{BE(sat)}	Base-Emitter Saturation Voltage			1.0	V	I _C =10mA, I _B =1mA
f _t	Current Gain-Bandwidth Product	50			MHz	V _{CE} =10V, I _C =20mA,
C _{ob}	Output Capacitance		30		pF	V _{CB} =20V, I _E =0, f=1MHz