

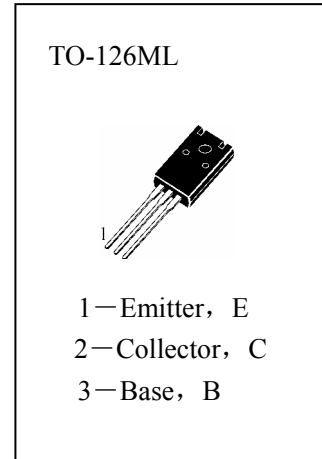
H1357

APPLICATIONS

. Audio Power Amplifie.

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)	10W
P _C	Collector Dissipation (T _A =25°C)	1.5W
V _{CBO}	Collector-Base Voltage	-35V
V _{CEO}	Collector-Emitter Voltage	-20V
V _{EBO}	Emitter-Base Voltage	-8V
I _C	Collector Current (Pulse)	-8A
I _C	Collector Current (DC)	-5A
I _b	Base Current	-1A



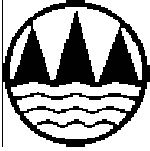
ELECTRICAL CHARACTERISTICS (T_a=25°C)

Symbol	Characteristics	Min	Typ	Max	Unit	Test Conditions
BV _{CEO}	Collector-Emitter Breakdown Voltage	-20			V	I _C =-10mA, I _B =0
I _{CBO}	Collector Cut-off Current			-100	nA	V _{CB} =-35V, I _E =0
I _{EBO}	Emitter Cut-off Current			-100	nA	V _{EB} =-8V, I _C =0
H _{FE} (1)	DC Current Gain	140		600		V _{CE} =-2V, I _C =-0.5A
H _{FE} (2)	DC Current Gain	70				V _{CE} =-2V, I _C =-4A
V _{CE(sat)}	Collector- Emitter Saturation Voltage			-1	V	I _C =-4A, I _B =-0.1A
V _{BE}	Base-Emitter Voltage			-1.5	V	V _{CE} =-2V, I _C =-4A
f _T	Current Gain-Bandwidth Product		170		MHZ	V _{CE} =-2V, I _C =-500mA
C _{ob}	Output Capacitance		62		pF	V _{CB} =-10V, I _E =0, f=1MHz

Pulse Test: PW=10Ms (max) ,Duty Cycle=30% (min)

h_{FE} Classification

Y	GR	BL
140—240	200—400	300—600



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