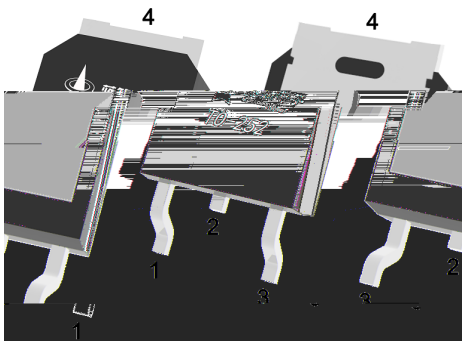
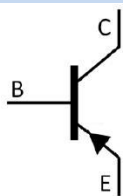


Rev.A Apr.-2023

Silicon PNP transistor in a TO-252 Plastic Package.

Excellent h_{FE} linearity, low $V_{CE(sat)}$, high P_C , Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Audio frequency amplifier and switching, especially in hybrid integrated circuits applications, Meet the stringent requirements of automotive applications.



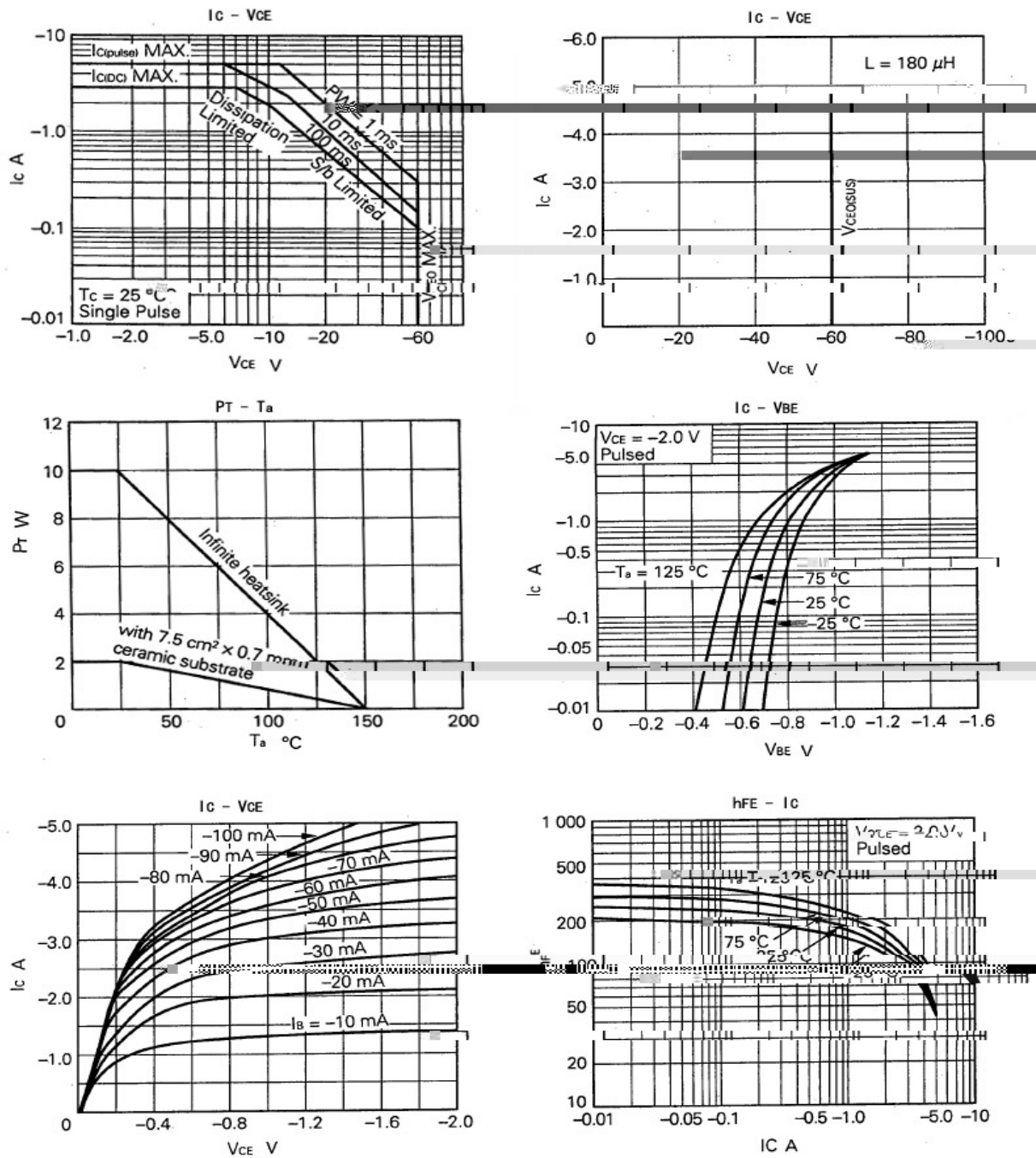
PIN1 Base PIN 2,4 Collector PIN 3 Emitter

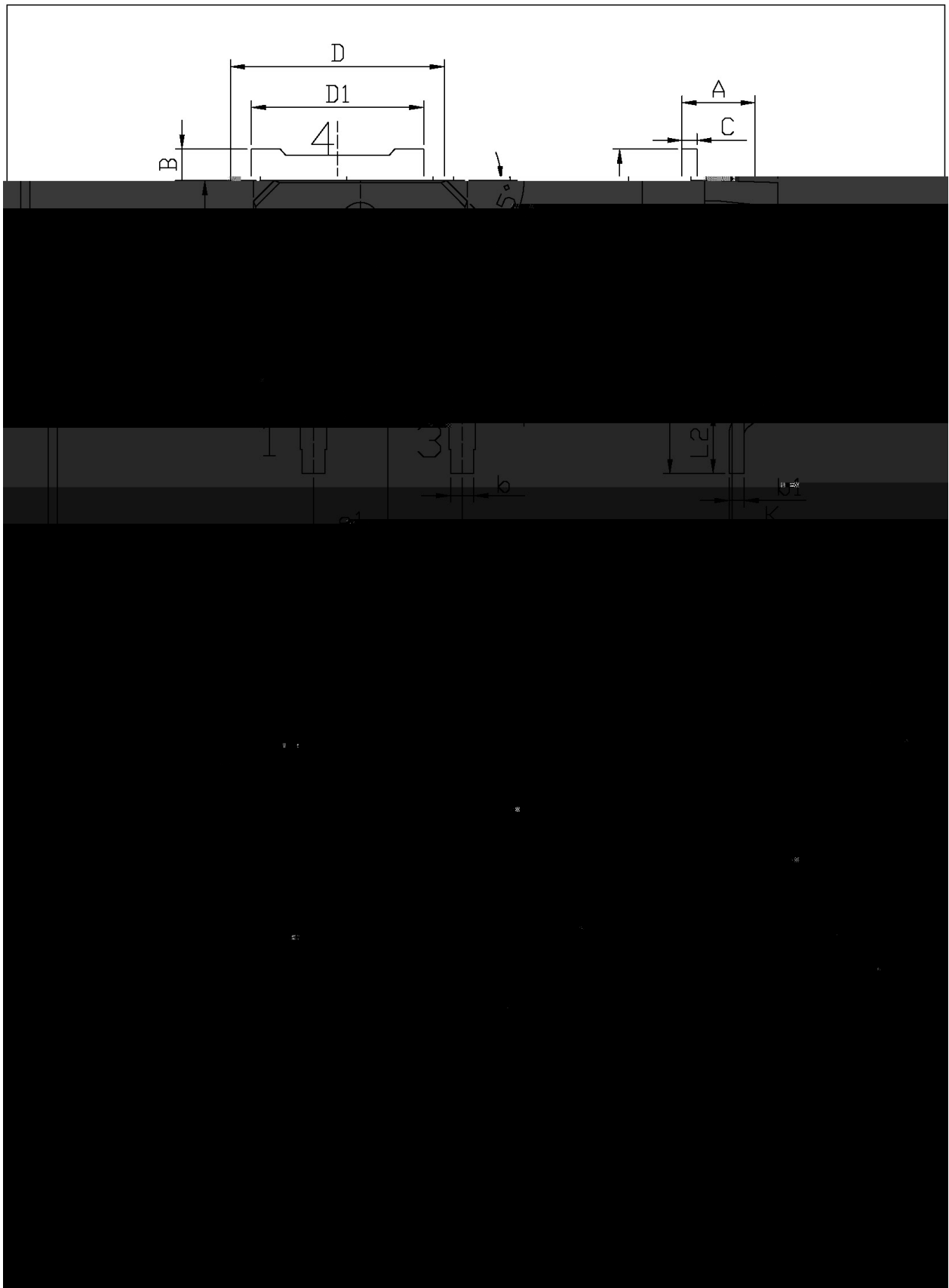
h_{FE} Classifications Symbol	M	L	K
h_{FE} Range	100 200	160 320	200 400

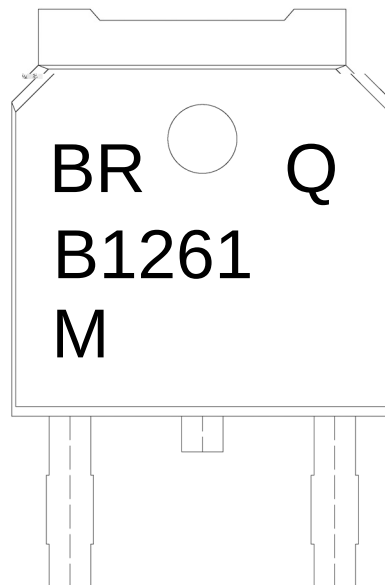
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-60	V
Emitter to Base Voltage	V_{EBO}	-7.0	V
Collector Current - Continuous	I_C	-3.0	A
Collector Power Dissipation*	P_C	2.0	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

*When mounted on a 7.5×7.5×0.7mm ceramic board.

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C=-0.1mA$ $I_E=0$	-60			V
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-1.0mA$ $I_B=0$	-60			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E=-0.1mA$ $I_C=0$	-7.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-60V$ $I_E=0$			-10	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-7.0V$ $I_C=0$			-10	μA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-2.0V$ $I_C=-600mA$	100		400	
	$h_{FE(2)}$	$V_{CE}=-2.0V$ $I_C=-200mA$	60			
	$h_{FE(3)}$	$V_{CE}=-2.0V$ $I_C=-2.0A$	50			
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-1.5A$ $I_B=-150mA$			-0.3	V
Base to Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-1.5A$ $I_B=-150mA$			-1.2	V
Transition Frequency	f_T	$V_{CE}=-5.0V$ $I_C=-1.5A$		50		MHz
Collector output capacitance	C_{ob}	$V_{CB}=-10V$ $I_E=0$ $f=1.0MHz$		40		pF
Turn-On Time	t_{on}	$V_{CC}=-10V$ $I_C=-1.0A$ $I_{B1}=-I_{B2}=-0.1A$ $R_L=10\Omega$			0.5	μs
Storage Time	t_{stg}				2.0	
Fall Time	t_f				0.5	







BR

Q

h_{FE}

Note:

BR: Company Code

Q: Automobile halogen-free product Code

B1261: Product Type

M: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No

