

BD234 BD236 BD238

SILICON PNP EPITAXIAL BASE MESA TYPE

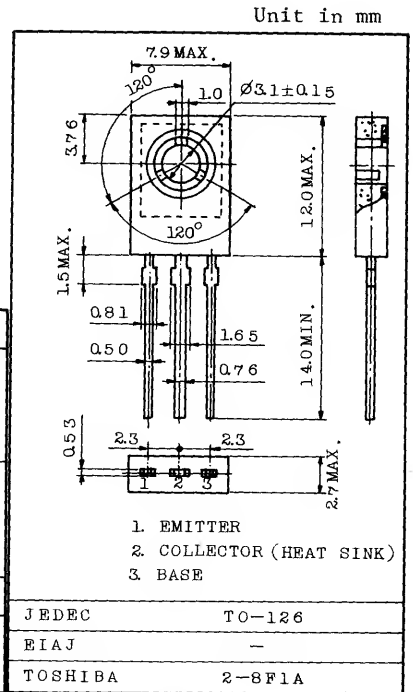
AUDIO POWER AMPLIFIER APPLICATIONS.
VERTICAL DEFLECTION OUTPUT APPLICATIONS IN TV.

FEATURES:

- Designed for Complementary Use with BD233, BD235 and BD237

MAXIMUM RATINGS (Ta=25°C)

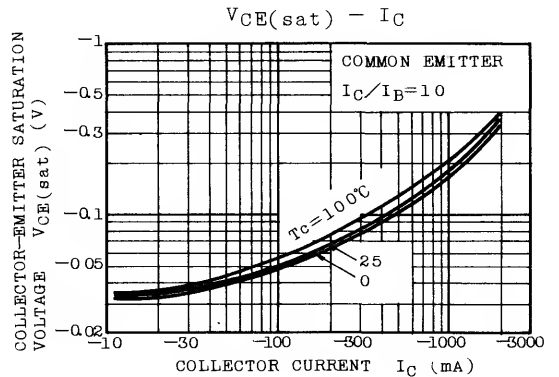
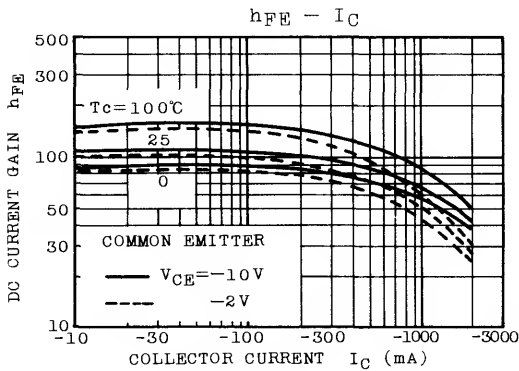
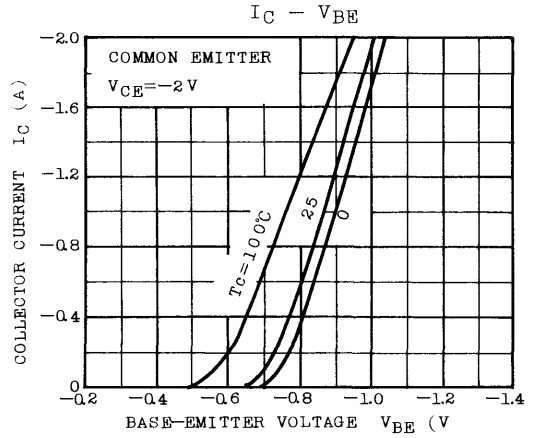
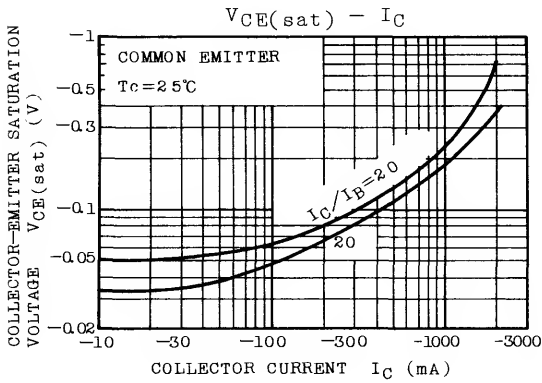
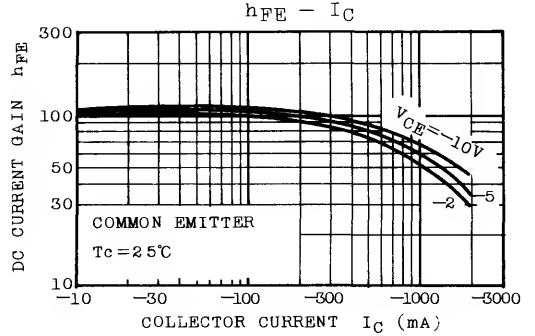
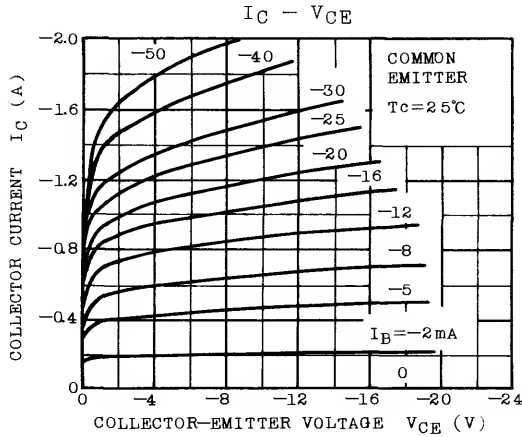
CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage	BD234	V _{CB0}	-45	V
	BD236		-60	
	BD238		-100	
Collector-Emitter Voltage	BD234	V _{CEO}	-45	V
	BD236		-60	
	BD238		-80	
Emitter-Base Voltage		V _{EB0}	-5	V
Collector Current	DC	I _C	-2	A
	Peak	I _{CM}	-6	
Base Current		I _B	-2	A
Collector Power Dissipation (Tc=25°C)		P _C	25	W
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	-55 ~ 150	°C



Weight : 0.72g

ELECTRICAL CHARACTERISTICS (Ta=25°C)

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	BD234	I _{CBO}	V _{CB} = -45V, I _E = 0	-	-	-100	μA
	BD236		V _{CB} = -60V, I _E = 0				
	BD238		V _{CB} = -100V, I _E = 0				
Emitter Cut-off Current		I _{EBO}	V _{EB} = -5V, I _C = 0	-	-	-1	mA
DC Current Gain	h _{FE} (1)		V _{CE} = -2V, I _C = -150mA	40	-	-	
	h _{FE} (2)		V _{CE} = -2V, I _C = -1A	25	-	-	
Collector-Emitter Saturation Voltage		V _{CE(sat)}	I _C = -1A, I _B = -0.1A	-	-	-0.6	V
Base-Emitter Voltage		V _{BE}	V _{CE} = -2V, I _C = -1A	-	-	-1.3	V
Transition Frequency		f _T	V _{CE} = -10V, I _C = -250mA	3	35	-	MHz



BD234 • BD236 • BD238

