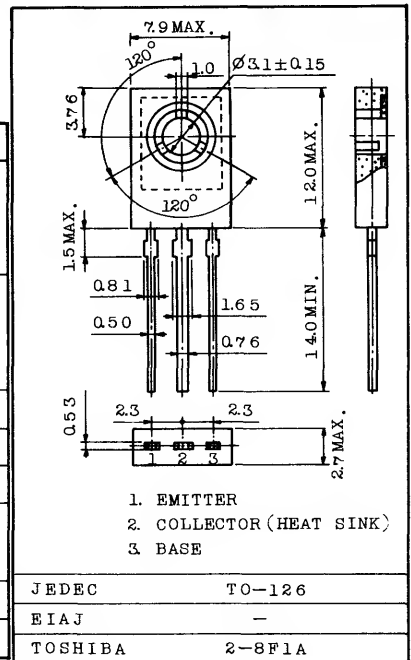


COLOR TV VIDEO AND CHROMA OUTPUT APPLICATIONS.
COLOR TV HORIZONTAL DRIVER APPLICATIONS.

Unit in mm

MAXIMUM RATINGS (Ta=25°C)

CHARACTERISTIC		SYMBOL	RATING	UNIT
Collector-Base Voltage	BF457	V _{CB0}	160	V
	BF458		250	
	BF459		300	
Collector-Emitter Voltage	BF457	V _{CEO}	160	V
	BF458		250	
	BF459		300	
Emitter-Base Voltage		V _{EBO}	5	V
Collector Current		I _C	100	mA
Base Current		I _B	50	mA
Collector Power Dissipation	Ta=25°C	P _C	1.2	W
	Tc=25°C		8.3	
Junction Temperature		T _j	150	°C
Storage Temperature Range		T _{stg}	-55 ~ 150	°C



ELECTRICAL CHARACTERISTICS (Ta=25°C)

Weight : 0.72g

CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current	BF457	I _{CBO}	V _{CB} =100V, I _E =0	-	-	50	nA
	BF458		V _{CB} =200V, I _E =0				
	BF459		V _{CB} =250V, I _E =0				
Collector-Base Breakdown Voltage	BF457	V(BR)CBO	I _C =100μA, I _E =0	160	-	-	V
	BF458			250	-	-	
	BF459			300	-	-	
Emitter-Base Breakdown Voltage		V(BR)EBO	I _E =100μA, I _C =0	5	-	-	V
Collector-Emitter Breakdown Voltage	BF457	V(BR)CEO	I _C =10mA, I _E =0	160	-	-	V
	BF458			250	-	-	
	BF459			300	-	-	
DC Current Gain		h _{FE}	V _{CE} =10V, I _C =30mA	25	-	240	
Collector-Emitter Saturation Voltage		V _{CE(sat)}	I _C =30mA, I _B =6mA	-	-	1	V
Transition Frequency		f _T	V _{CE} =10V, I _C =15mA	-	100	-	MHz
Collector Output Capacitance		C _{ob}	V _{CB} =30V, I _E =0, f=1MHz	-	4	-	pF

BF457 • BF458 • BF459

