

isc Silicon NPN Power Transistor

2SD1656

DESCRIPTION

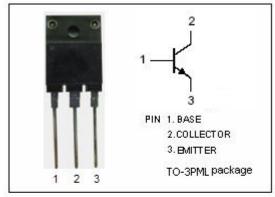
- · High Breakdown Voltage-
 - : V_{CBO}= 1500V (Min)
- · High Switching Speed
- High Reliability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

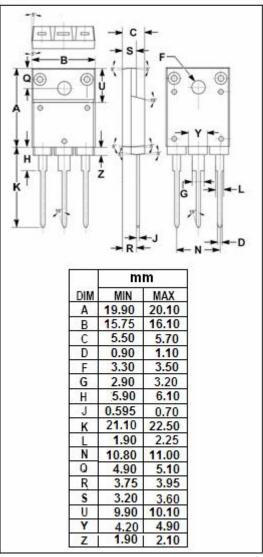
APPLICATIONS

• Color TV horizontal deflection output applications.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	1500	V
V _{CEO}	Collector-Emitter Voltage	800	V
V _{EBO}	Emitter-Base Voltage	6	V
Ic	Collector Current- Continuous	6	Α
Іср	Collector Current-Pulse	16	Α
Pc	Collector Power Dissipation @ T _C =25℃	60	W
TJ	Junction Temperature	150	$^{\circ}$
T _{stg}	Storage Temperature Range	erature Range -55~150	







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = 10mA; R _{BE} = ∞	800			V
V _{(BR)CBO}	Collector-Base Breakdown Voltage	I _C =1mA; I _E = 0	1500			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = 200mA; I _C = 0	7			V
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = 5A; I _B = 1A			5.0	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	Ic= 5A; I _B = 1A			1.5	V
І _{СВО}	Collector Cutoff Current	V _{CB} = 800V ; I _E = 0			10	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V; I _C = 0			1.0	mA
h _{FE}	DC Current Gain	I _C = 1A; V _{CE} = 5V	8			
tf	Fall Time	I _C = 5A, I _{B1} = 1A; I _{B2} = 2A			0.4	μS

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