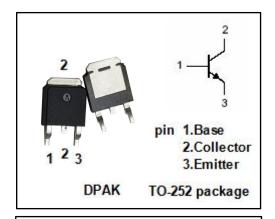
isc Silicon NPN Power Transistor

KTC2020D

DESCRIPTION

- · High Breakdown Voltage-
 - : V_{(BR)CBO}= 60V(Min)
- · High Switching Speed
- High Reliability
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

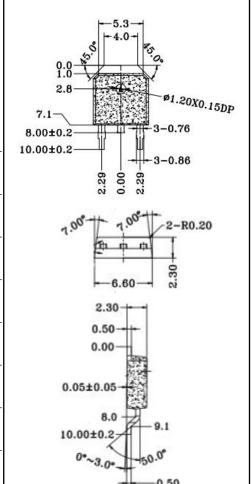


APPLICATIONS

 Ultrahigh-definition CRT display horizontal deflection output applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

71202012 III Bullioni 121111100(1a 200)					
SYMBOL	PARAMETER	VALUE	UNIT		
V _{CBO}	Collector-Base Voltage	60	V		
V _{CEO}	Collector-Emitter Voltage	60	V		
V _{EBO}	Emitter-Base Voltage	7.0	V		
lc	Collector Current-Continuous	3.0	А		
Pc	Collector Power Dissipation @ T _c =25℃	20	W		
T _J	Junction Temperature	150	$^{\circ}$		
T _{stg}	Storage Temperature Range	-55~150	°C		



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ELECTRICAL CHARACTERISTICS

Tc=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO} (SUS)	Collector-Emitter Sustaining Voltage	I _C = 50mA; I _B = 0	60		V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 2.0A; I _B = 0.2A		1.0	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = 0.5A ; V _{CE} = 5V		1.0	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 60V ; I _E = 0		100	μА
I _{EBO}	Emitter Cutoff Current	V _{EB} = 7.0V; I _C = 0		100	μA
h _{FE}	DC current gain	I _C = 0.5A ; V _{CE} = 5V	100	300	

♦	hfe	Classifications
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Y	GR	
100-200	150-300	

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