

KSC2752

DESCRIPTION

- · High breakdown voltage
- Complementary to KSA1156 PNP transistor

ISC Silicon NPN Power Transistor

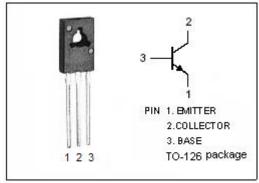
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

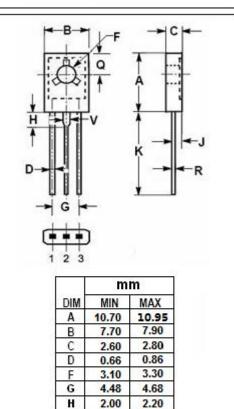
APPLICATIONS

 The KSC2752 is suitable for low power switching regulator, DC-DC converter and high voltage switch.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	500	V
V _{CER}	Collector-Emitter Voltage R_{BE} =150 Ω	500	V
Vceo	Collector-Emitter Voltage	400	V
V _{EBO}	Emitter-Base Voltage	7	V
Ic	Collector Current-Continuous	0.5	А
Pc	Collector Power Dissipation @ Tc=25℃	10	W
TJ	Junction Temperature	-55~150	$^{\circ}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$





1.35

15.30

3.70

1.17

J

K Q

R

1.55

16.30

3.90

0.60



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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C =0.3A; I _B = 60mA			1.0	V
V _{BE} (sat)	Base-Emitter Saturation Voltage	I _C =0.3A; I _B = 60mA			1.2	V
I _{CBO}	Collector Cutoff Current	V _{CB} = 500V ; I _E = 0			10	μА
ІЕВО	Emitter Cutoff Current	V _{EB} = 7V; I _C = 0			10	μА
h _{FE-1}	DC Current Gain	I _C = 50mA ; V _{CE} = 5V	20		80	
h _{FE-2}	DC Current Gain	I _C = 0.3A ; V _{CE} = 5V	10			

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R	0	Y
20-40	30-60	40-80

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