

isc Silicon PNP Power Transistor

2SAR572D

DESCRIPTION

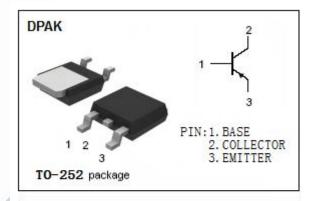
- Suitable for middle power drivers
- Low V_{CE(sat)} V_{CE(sat)}≤-0.4V@(I_C=-2A,I_B=-0.1A)
- Complementary NPN types:2SCR572D
- 100% avalanche tested
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

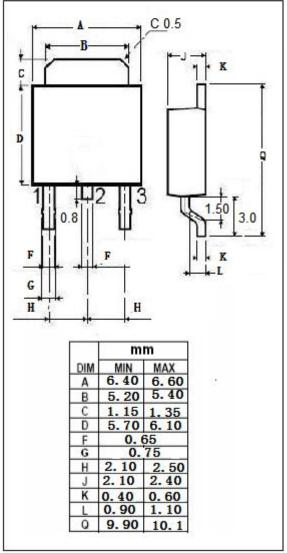


· Low frequency amplifier

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
Vсво	Collector-Base Voltage	-30	V
V _{CEO}	Collector-Emitter Voltage	-30	V
V _{EBO}	Emitter-Base Voltage	-6	V
lc	Collector Current-Continuous	-5	Α
Ісм	Collector Current-Peak	-10	Α
Pc	Collector Power Dissipation @ Tc=25℃	10	W
TJ	Junction Temperature	150	${\mathbb C}$
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$







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ELECTRICAL CHARACTERISTICS

T_C=25℃ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
BV_CBO	Collector-Base breakdown voltage	I _C =-100uA	-30			٧
BV _{CEO}	Collector-Emitter breakdown voltage	I _C =-1mA	-30			V
BV _{EBO}	Emitter-Base breakdown voltage	I _E =-100uA	-6			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -2A; I _B = -100mA			-0.4	٧
Ісво	Collector Cutoff Current	V _{CB} = -30V; I _E = 0			-1.0	μА
I _{ЕВО}	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0	,		-1.0	μА
h _{FE}	DC Current Gain	I _C = -0.5A; V _{CE} = -3V	200		500	
Сов	Output Capacitance	I _E = 0; V _{CB} = -10V; f= 1.0MHz		40		pF
f _T NOTE	Current-Gain—Bandwidth Product	I _C = -0.2A; V _{CE} = -10V,f= 100MHz		300		MHz

NOTE:Pulsed

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