

isc Silicon PNP Power Transistor

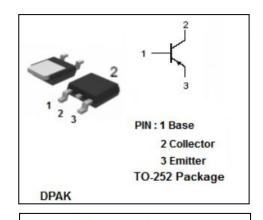
2SA2222

DESCRIPTION

- · Large current capacitance
- · High speed switching
- · Low saturation voltage
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

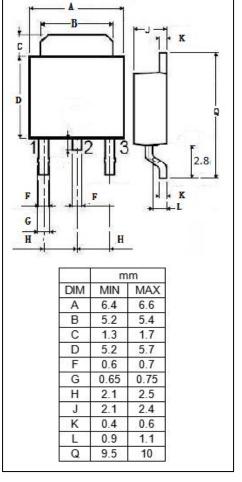
APPLICATIONS

· Relay drivers, lamp drivers, motor drivers



ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT	
V _{CBO}	Collector-Base Voltage	-50	V	
V _{CEO}	Collector-Emitter Voltage	-50	V	
V _{EBO}	Emitter-Base Voltage	-6	V	
lc	Collector Current-Continuous	-10	А	
Ісм	Collector Current-Peak	-13	А	
Pc	Collector Power Dissipation @ T _c =25°C	20	W	
	Collector Power Dissipation @T _a =25℃	2		
TJ	Junction Temperature	150	$^{\circ}$	
T _{stg}	Storage Temperature Range	-55~150	$^{\circ}$	





ISC Silicon PNP Power Transistor

2SA2222

ELECTRICAL CHARACTERISTICS

 T_c =25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE} (sat)	Collector-Emitter Saturation Voltage	I _C = -6A; I _B = -300mA			-0.5	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -6A; I _B = -300mA			-1.2	V
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -1mA; I _B = 0	-50			V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	I _E = -100uA; I _C = 0	-6			V
I _{CBO}	Collector Cutoff Current	V _{CB} = -40V; I _E = 0			-10	μА
ІЕВО	Emitter Cutoff Current	V _{EB} = -4V; I _C = 0			-10	μА
h _{FE}	DC Current Gain	I _C = -0.27A; V _{CE} = -2V	150		450	



ISC reserves the rights to make changes of the content herein the datasheet at any time without notification. The information contained herein is presented only as a guide for the applications of our products.

ISC products are intended for usage in general electronic equipment. The products are not designed for use in equipment which require specialized quality and/or reliability, or in equipment which could have applications in hazardous environments, aerospace industry, or medical field. Please contact us if you intend our products to be used in these special applications. ISC makes no warranty or guarantee regarding the suitability of its products for any particular purpose, nor does ISC assume any liability arising from the application or use of any products, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages.