

INCHANGE SEMICONDUCTOR

isc Silicon PNP Power Transistor

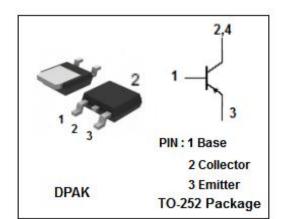
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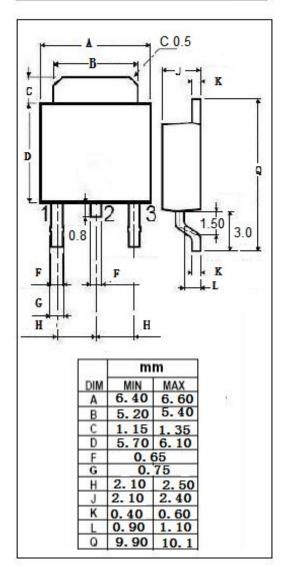
DESCRIPTION

- With TO-252(DPAK) packaging
- Excellent linearity of h_{FE}
- Low collector-to-emitter saturation voltage
- Fast switching speed
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Relay drivers, high-speed inverters , converters
- Other general high current switching applications





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	-7	V	
lc	Collector Current-Continuous	t-Continuous -5		
ICP	Collector Current-Continuous	-10		
IB	Base Current	-0.5	А	
Pc	Collector Power Dissipation	20	W	
TJ	Junction Temperature	150	°C	
T _{stg}	Storage Temperature Range	-55~150	°C	

isc website: www.iscsemi.com



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ELECTRICAL CHARACTERISTICS

$T_c=25^{\circ}C$ unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	мах	UNIT
ВУсво	Collector-Base Breakdown Voltage	I _C =-1mA; I _B =0	-50			V
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C =-10mA; I _B =0	-50			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C =-1.6A; I _B = -53mA			-0.27	mV
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C =-1.6A; I _B = -53mA			-1.10	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -50V; I _E = 0			-100	μA
І _{ЕВО}	Emitter Cutoff Current	V _{EB} = -7V; I _C =0			-100	μA
h _{FE-1}	DC Current Cain	I _C = -0.5A ; V _{CE} = -2V	200		500	
h _{FE-2}	DC Current Cain	I _C = -2A ; V _{CE} = -1.6V	100			

NOTICE:

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