

isc Silicon NPN Power Transistor

3DA76

DESCRIPTION

- High DC Current Gain : h_{FE}= 15(Max) @I_C= 0.3A
- · Excellent Safe Operating Area
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS



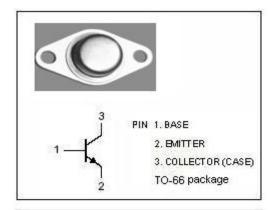
 Designed for use as an output device in complementary audio amplifiers

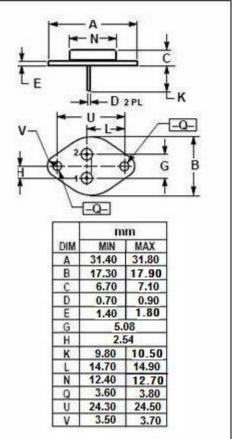
ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CEO}	Collector-Emitter Voltage	65	V
V _{EBO}	Emitter-Base Voltage	4.0	V
Ic	Collector Current-Continuous	0.5	А
Pc	Collector Power Dissipation@T _C =75°C 7.5		W
TJ	Junction Temperature 175		$^{\circ}$ C
T _{stg}	Storage Temperature Range	-55-175	$^{\circ}$

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	5.0	°C/W







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ELECTRICAL CHARACTERISTICS

 T_c =25°C unless otherwise specified

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
V _{CEO(BR)}	Collector-Emitter Breakdown Voltage	I _C = 50mA; I _B =0	65		V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 0.5A; I _B =0.1A		1.5	V
I _{CBO}	Emitter Cutoff current	V _{CE} = 24V; I _C =0		1.0	mA
I _{EBO}	Emitter Cutoff current	V _{EB} = 4.0V; I _C =0		0.2	mA
h _{FE}	DC Current Gain	I _C =0.3A ; V _{CE} =10V	15		

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