

The 2SB564 (PNP) and 2SD471 (NPN) are designed for use in driver and output stages of audio frequency amplifiers.

T0-92

ABSOLUTE MAXIMUM RATINGS

Collector-Base Voltage	VCBO	ECB	30V
Collector-Emitter Voltage	VCEO		25V
Emitter-Base Voltage	VEBO		5V
Collector Current	IC		1A
Total Power Dissipation	Ptot		1W
Operating Junction & Storage Temperature	Tj, Tstg		-55 to +150°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

PARAMETER	SYMBOL	MIN	MAX	UNIT	TEST CONDITIONS
Collector-Base Breakdown Voltage	BVCBO	30		V	IC=100μA IE=0
Collector-Emitter Breakdown Voltage	LVCEO	25		V	IC=10mA IB=0*
Emitter-Base Breakdown Voltage	BVEBO	5		V	IE=100μA IC=0
Collector Cutoff Current	ICBO		100	nA	VCB=30V IE=0
Emitter Cutoff Current	IEBO		100	nA	VEB=5V IC=0
D.C. Current Gain	HFE	90	400		IC=100mA VCE=1V*
		50			IC=1A VCE=1V*
Base-Emitter Voltage	VBE		0.7	V	IC=10mA VCE=6V
Collector-Emitter Saturation Voltage	VCE(sat)		0.35	V	IC=1A IB=0.1A*
Base-Emitter Saturation Voltage	VBE(sat)		1.2	V	IC=1A IB=0.1A*

* Pulse Test : Pulse Width=300μs, Duty Cycle = 1%.

Classification of HFE @ IC=100mA VCE=1V

M : 90-180

L : 135-270

K : 200-400



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