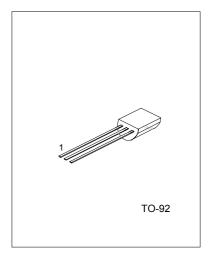
LOW FREQUENCY POWER **AMPLIFIER**

FEATURES

- *Low frequency power amplifier
- *Complement to 2SB562



1:EMITTER 2:COLLECTOR 3:BASE

ABSOLUTE MAXIMUM RATINGS (Ta=25°C, unless otherwise specified)

7 12 0 2 0 1 2 1111 5 1111 1 1 1 1 1 1 1 1 1 1 1 1				
PARAMETER	SYMBOL	VALUE	UNIT	
Collector-Base Voltage	Vсво	25	V	
Collector-Emitter Voltage	VCEO	20	V	
Emitter-Base Voltage	VEBO	5	V	
Collector Current	Ic	1	Α	
Collector Peak Current	lc(peak)	1.5	Α	
Collector Power Dissipation	Pc	0.9	W	
Junction Temperature	Tj	150	°C	
Storage Temperature	Tstg	-55 ~ +150	°C	

ELECTRICAL CHARACTERISTICS (Ta=25°C, unless otherwise specified)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector to base breakdown voltage	V(BR)CBO	Ic=10μA, IE=0	25			V
Collector to emitter breakdown	V(BR)CEO	Ic=1mA, R _{BE} =∞	20			٧
voltage						
Emitter to base breakdown voltage	V(BR)EBO	IE=10μA, IC=0	5			V
Collector Cut-Off Current	Ісво	Vcb=20V, IE=0			1	μА
DC Current transfer ratio	hFE	VcE=2V, Ic=0.5A (note)	85		240	
Collector to emitter saturation	Vce(sat)	Ic=0.8A, IB=0.08A (note)		0.2	0.5	V
voltage						
Base to emitter voltage	VBE	VCE=2V, Ic=0.5A (note)		0.79	1	V
Gain bandwidth product	f⊤	VCE=2V, Ic=0.5A (note)		190		MHz
Collector output capacitance	Cob	VcB=10V, IE=0, f=1MHz		22		pF

Note: Pulse test

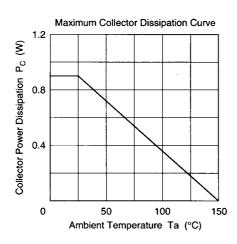
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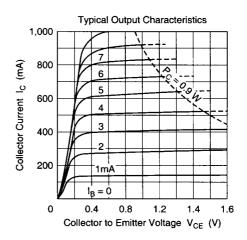
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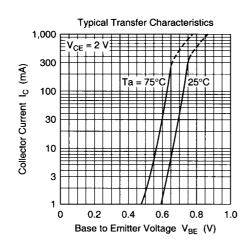
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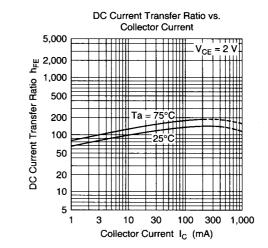
RANK	В	С	
RANGE	85 - 170	120 - 240	

TYPICAL PERFORMANCE CHARACTERISTICS

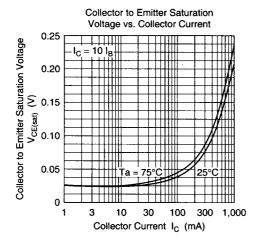


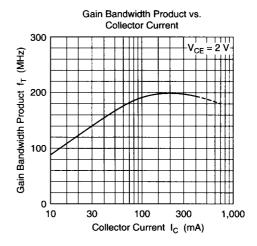


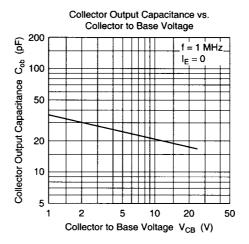




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