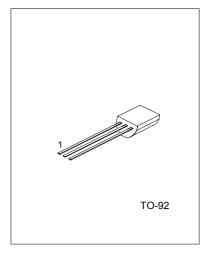
HIGH FREQUENCY LOW NOISE **AMPLIFIER**

FEATURES

- *Low Noise and High Gain
- *High Power Gain



1: BASE 2: EMITTER 3: COLLECTOR

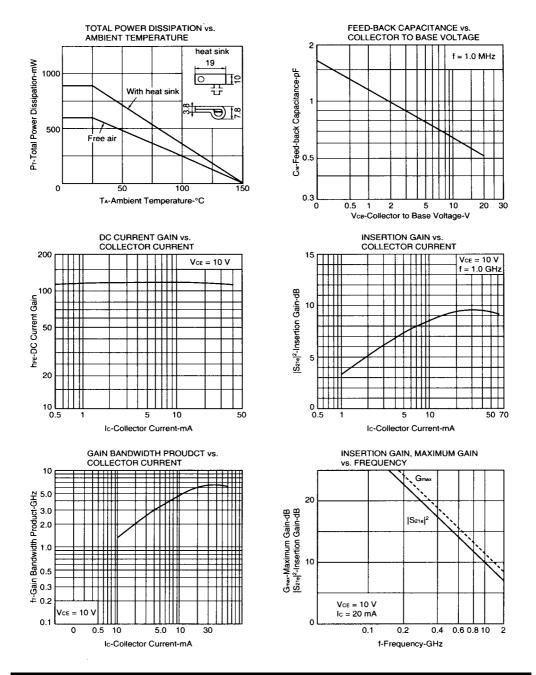
ABSOLUTE MAXIMUM RATINGS (T_A=25°C, unless otherwise specified)

PARAMETER	SYMBOL	RATING	UNIT	
Collector-base voltage	Vсво	20	V	
Collector-emitter voltage	VCEO	12	V	
Emitter-base voltage	VEBO	3	V	
Collector current	www.DataSheet4U.com	100	mA	
Total power dissipation	Рт	600	mW	
Junction Temperature	Tj	150	°C	
Storage Temperature	Tstg	-65 ~ +150	°C	

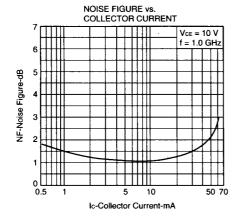
ELECTRICAL CHARACTERISTICS (Ta=25°C, unless otherwise specified)

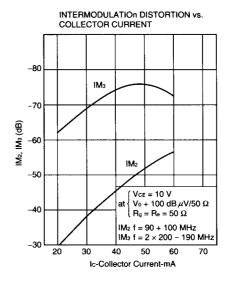
PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cutoff Current	I _{CBO}	V_{CB} =10V, I_{E} =0			1.0	μΑ
Emitter Cutoff Current	I _{EBO}	$V_{EB}=1V$, $I_{C}=0$			1.0	μА
DC Current Gain	h _{FE}	V_{CE} =10V, I_{C} =20mA	50		300	
Gain bandwidth Product	fT	V_{CE} =10V, I_{C} =20mA		7		GHz
Feed-Back Capacitance	Cre	V_{CB} =10V, I_E =0, f=1.0MHz			1.0	pF
Noise Figure	NF	V_{CE} =10V, I_{C} =7mA, f=1.0GHz		1.1		dB

TYPICAL CHARACTERISTICS (TA=25°C)



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