

DESCRIPTION

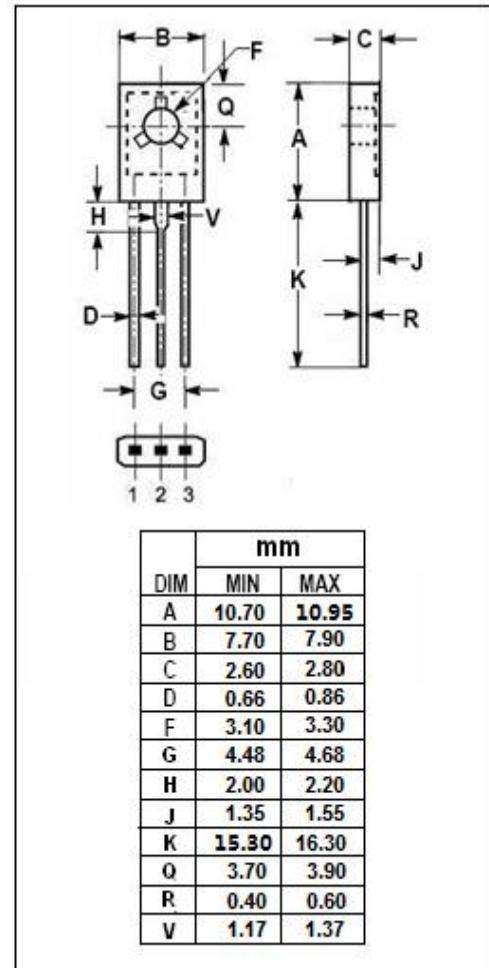
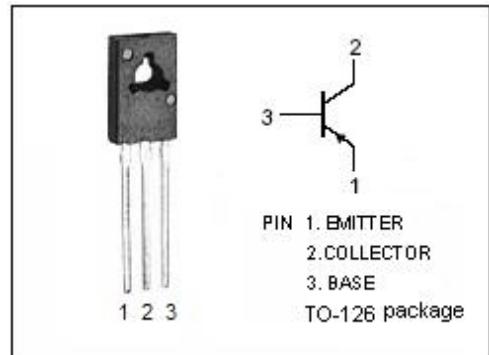
- Good Linearity of h_{FE}
- High Collector-Emitter Breakdown Voltage-
 $: V_{(BR)CEO} = -120V(\text{Min})-2SA1220$
 $= -160V(\text{Min})-2SA1220A$
- Complement to Type 2SC2690/A
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Adudio frequency power amplifier
- High frequency power amplifier

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V _{CBO}	Collector-Base Voltage	2SA1220	-120
		2SA1220A	-160
V _{CEO}	Collector-Emitter Voltage	2SA1220	-120
		2SA1220A	-160
V _{EBO}	Emitter-Base Voltage	-5	V
I _c	Collector Current-Continuous	-1.2	A
I _{cm}	Collector Current-Peak	-2.5	A
I _B	Base Current-Continuous	-0.3	A
P _c	Collector Power Dissipation @ T _a =25°C	1.2	W
	Total Power Dissipation @ T _c =25°C	20	
T _J	Junction Temperature	150	°C
T _{stg}	Storage Temperature Range	-55~150	°C



ELECTRICAL CHARACTERISTICS**T_C=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -1A; I _B = -0.2A			-0.7	V
V _{BE(sat)}	Base-Emitter Saturation Voltage	I _C = -1A; I _B = -0.2A			-1.3	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -120V; I _E = 0			-1.0	µA
I _{EBO}	Emitter Cutoff Current	V _{EB} = -3V; I _C =0			-1.0	µA
h _{FE-1}	DC Current Gain	I _C = -5mA ; V _{CE} = -5V	35			
h _{FE-2}	DC Current Gain	I _C = -0.3A ; V _{CE} = -5V	60		320	
f _T	Current-Gain—Bandwidth Product	I _C = -0.2A ; V _{CE} = -5V		175		MHz
C _{OB}	Output Capacitance	I _E = 0; V _{CB} = -10V; f _{test} = 1.0MHz		26		pF

◆ h_{FE-2} Classifications

R	Q	P
60-120	100-200	160-320

NOTICE:

ISC reserves the rights to make changes of the content herein the datasheet at any time without notification. The information contained herein is presented only as a guide for the applications of our products.

ISC products are intended for usage in general electronic equipment. The products are not designed for use in equipment which require specialized quality and/or reliability, or in equipment which could have applications in hazardous environments, aerospace industry, or medical field. Please contact us if you intend our products to be used in these special applications.

ISC makes no warranty or guarantee regarding the suitability of its products for any particular purpose, nor does ISC assume any liability arising from the application or use of any products, and specifically disclaims any and all liability, including without limitation special, consequential or incidental damages.