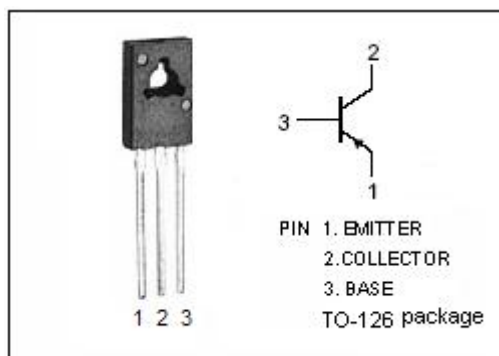


isc Silicon PNP Power Transistor
2SA1021
DESCRIPTION

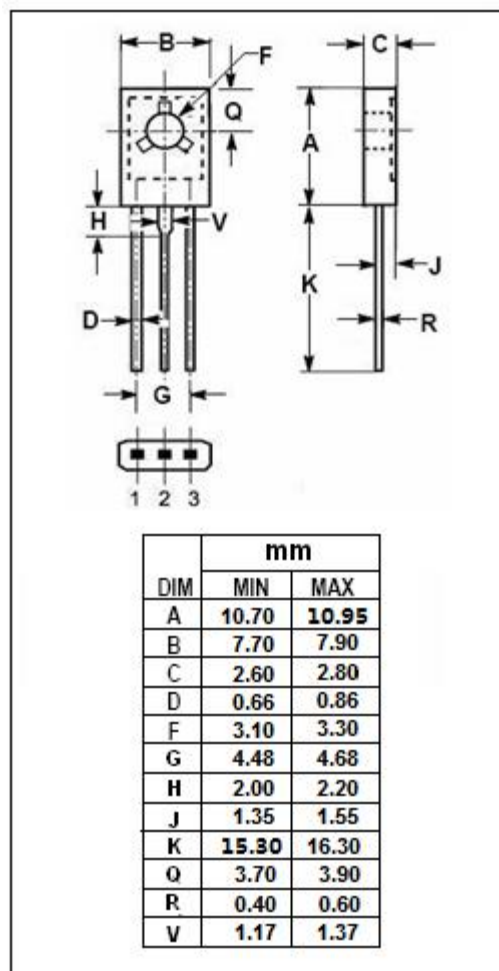
- High Collector-Emitter Breakdown Voltage-
 $V_{(BR)CEO} = -150V$ (Min)
- Complement to Type 2SC2481
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- Color TV vertical deflection output applications.
- Color TV class B sound output applications.


ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

SYMBOL	PARAMETER	VALUE	UNIT
V_{CBO}	Collector-Base Voltage	-150	V
V_{CEO}	Collector-Emitter Voltage	-150	V
V_{EBO}	Emitter-Base Voltage	-6	V
I_C	Collector Current-Continuous	-1.5	A
I_B	Base Current-Continuous	-1.0	A
P_C	Collector Power Dissipation @ $T_a=25^\circ C$	1.2	W
	Total Power Dissipation @ $T_C=25^\circ C$	20	
T_J	Junction Temperature	150	°C
T_{stg}	Storage Temperature Range	-55~150	°C



isc Silicon PNP Power Transistor**2SA1021****ELECTRICAL CHARACTERISTICS****T_c=25°C unless otherwise specified**

SYMBOL	PARAMETER	CONDITIONS	MIN	TYP.	MAX	UNIT
V _{(BR)CEO}	Collector-Emitter Breakdown Voltage	I _C = -10mA; I _B = 0	-150			V
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = -500mA; I _B = -50mA			-1.5	V
V _{BE(on)}	Base-Emitter On Voltage	I _C = -5mA; V _{CE} = -5V			-0.8	V
I _{CBO}	Collector Cutoff Current	V _{CB} = -150V; I _E = 0			-1.0	μ A
I _{EBO}	Emitter Cutoff Current	V _{EB} = -6V; I _C = 0			-1.0	μ A
h _{FE}	DC Current Gain	I _C = -200mA; V _{CE} = -5V	60		320	
f _T	Current-Gain—Bandwidth Product	I _C = -200mA; V _{CE} = -5V	15	50		MHz
C _{OB}	Output Capacitance	I _E = 0 ; V _{CB} = -10V;f= 1.0MHz			35	pF

◆ **h_{FE} Classifications**

R	O	Y
60-120	100-200	160-320

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