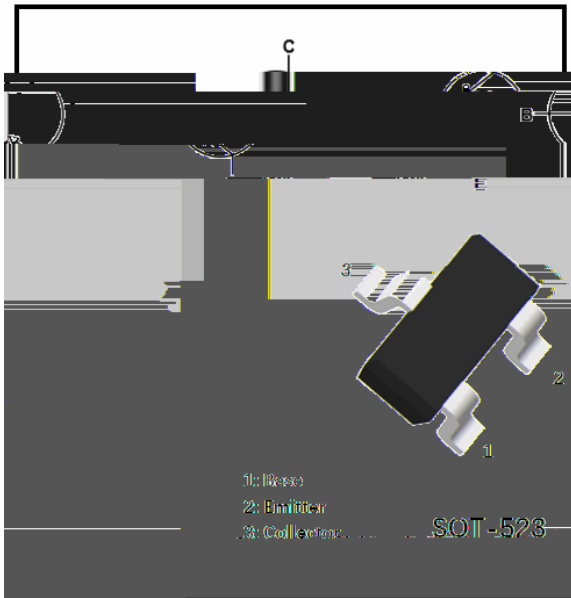


PNP General Purpose Amplifier



Features

- Moisture Sensitivity Level 1
- Surface mount package ideally Suited for Automatic Insertion

Mechanical Data

Package: SOT-523

Terminals: Tin plated leads, solderable per J-STD-002 and JESD22-B102

Marking:

- 2SA1774-Q FQ
- 2SA1774-R FR
- 2SA1774-S FS

Maximum Ratings (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Conditions	Value
Collector-Emitter Voltage	V_{CEO}	V	$I_C = -1.0\text{mA}$, $I_B = 0$	-50
Collector-Base Voltage	V_{CBO}	V	$I_C = -50\mu\text{A}$, $I_E = 0$	-60
Emitter-Base Voltage	V_{EBO}	V	$I_E = -50\mu\text{A}$, $I_C = 0$	-6
Collector Current	I_C	mA		-150
Collector Power Dissipation	P_C	mW		150
Thermal Resistance Junction to Ambient	R_{JA}	/W		833
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150



2SA1774

Electrical Characteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	TYP	Max
Collector-Emitter Voltage	V_{CE0}	V	$I_C = -1.0\text{mA}$, $I_B = 0$	-50	-	--
Collector-Base Voltage	V_{CBO}	V	$I_C = -50\mu\text{A}$, $I_E = 0$	-60	-	-
Emitter-Base Voltage	V_{EBO}	V	$I_E = -50\mu\text{A}$, $I_C = 0$	-6	-	-
Collector-base Cut-off Current	I_{CBO}	μA	$V_{CB} = -60\text{Vdc}$	-	-	-0.1
Emitter-base cut-off current	I_{EBO}	μA	$V_{EB} = -6\text{Vdc}$	-	-	-0.1
DC Current Gain	h_{FE}		$I_C = -1\text{mA}$, V_{CE}			



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