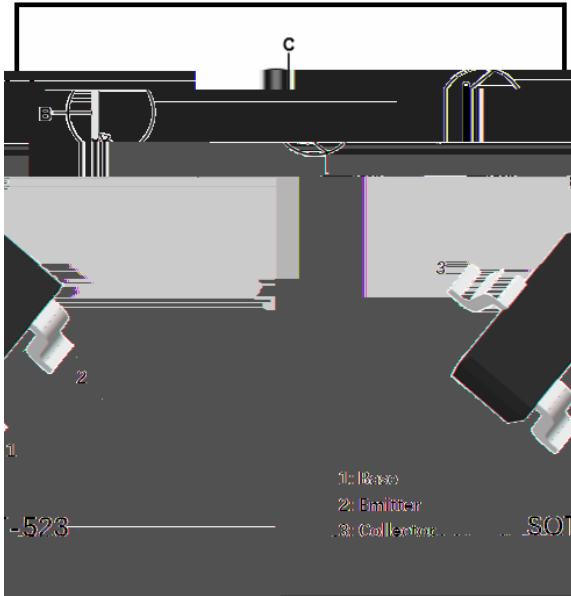


PNP General Purpose Amplifier



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	$R_{\theta JA}$	/W		833
Operation Junction Temperature	T_J			-55 to +150
Storage Temperature	T_{STG}			-55 to +150

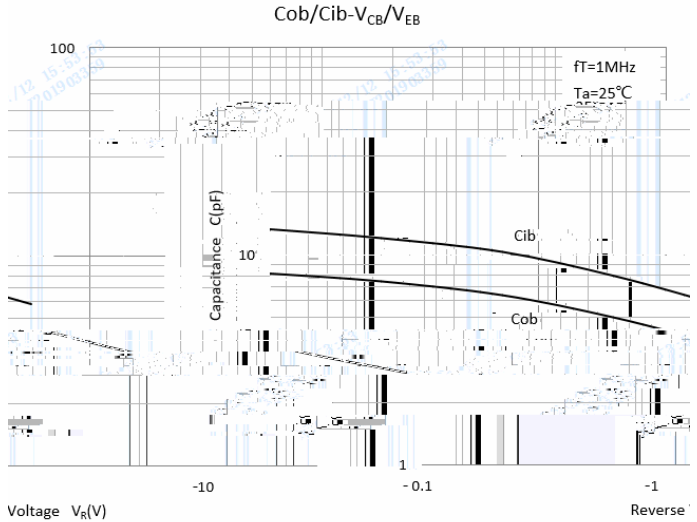
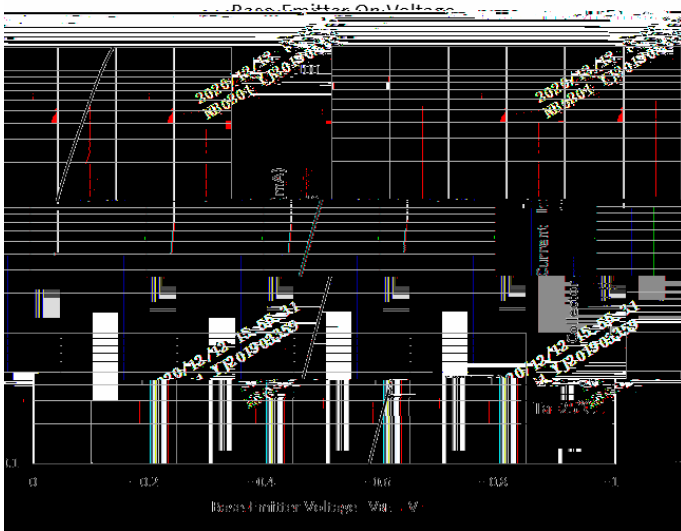
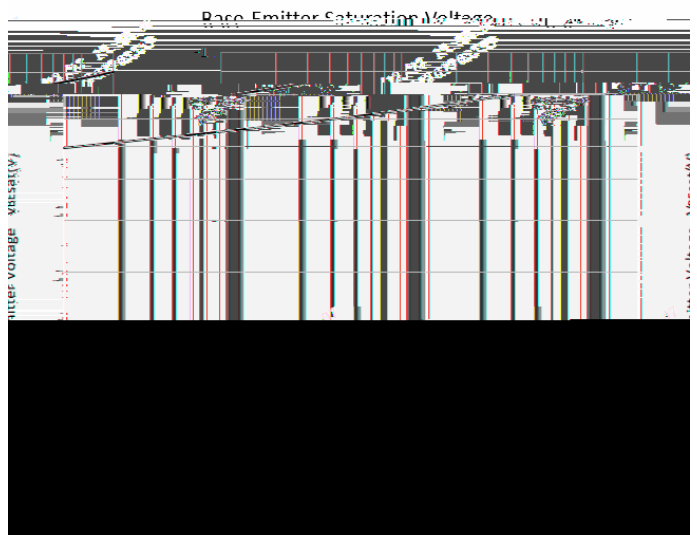
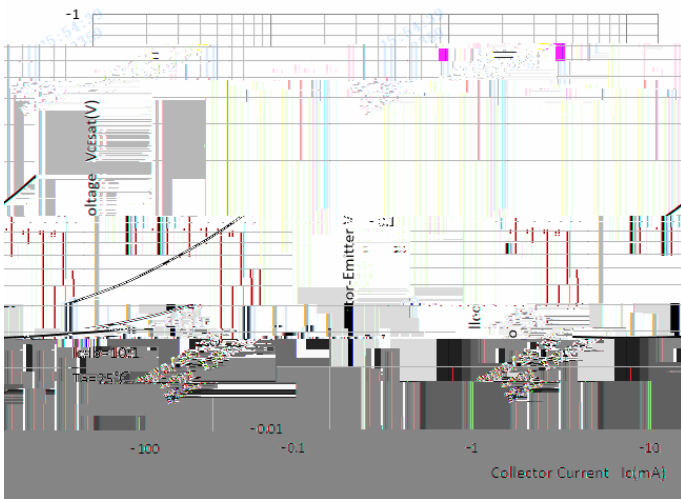


2SA1774

■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_{CB0}	V	$I_C = -50\mu\text{A}$, $I_E = 0$	-60	-	-
Emitter-Base Voltage	V_{EB0}	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}			

Collector-Emitter Saturation Voltage





Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

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