



《风光欣》技术资料

2SA1298

PNP EPITAXIAL SILICON TRANSISTOR

*Features

High h_{FE} : 160~320

$V_{CE(sat)} = -0.5V(\text{Max.})$ $I_C = -500mA, I_B = -20mA$

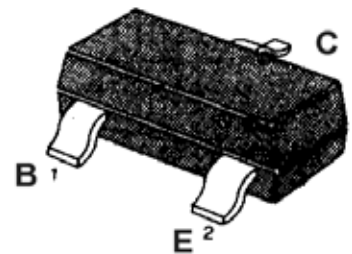
Low Collector Saturation Voltage

Complementary Pair With 2SC3265

ABSOLUTE MAXIMUM RATINGS($T_A = 25$)

Characteristic	Symbol	Rating	Unit
Collector-Base Voltage	V_{CB0}	-30	V
Collector-Emitter Voltage	V_{CEO}	-25	V
Emitter -Base Voltage	V_{EBO}	-5	V
Collector Current	I_C	-1.5	A
Collector Dissipation	P_C	225	mW
Junction Temperature	T_J	150	
Storage Temperature	T_{STG}	-55 ~150	

SOT-23



ELECTRICAL CHARACTERISTICS ($T_A = 25$)

Characteristic	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV_{CB0}	$I_C = -500 \mu A, I_E = 0$	-30			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C = -1mA, I_B = 0$	-25			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E = -50 \mu A, I_C = 0$	-5			V
Collector Cut-off Current	I_{CB0}	$V_{CB} = -35V, I_E = 0$			-100	nA
Emitter Cut-off Current	I_{EBO}	$V_{EB} = -6V, I_C = 0$			-100	nA
DC Current Gain	h_{FE}	$V_{CE} = 1V, I_C = -50mA$	160		320	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C = -500mA, I_B = -20mA$			-0.5	V
Transition Frequency	f_T	$V_{CE} = -5V, I_C = -10mA$		120		MHz
Collector Output Capacitance	C_{ob}	$f = 1MHz, V_{CB} = -10V, I_E = 0$		13		pF

DEVICE MARKING : 2SA1298 = KIY