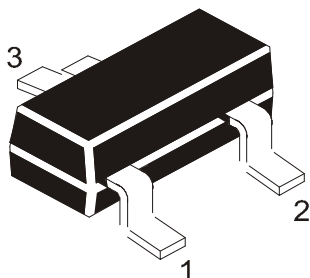
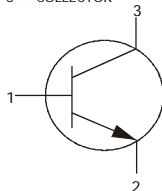


NPN SILICON PLANAR EPITAXIAL TRANSISTOR**CSC3930****SOT-23****Formed SMD Package****PIN CONFIGURATION (NPN)**
 1 = BASE
 2 = EMITTER
 3 = COLLECTOR
**Marking Symbol : V****Complementary CSA1532****Optimum for RF Amplification of FM/AM Radios****ABSOLUTE MAXIMUM RATINGS (T_a=25°C)**

DESCRIPTION	SYMBOL	VALUE	UNITS
Collector Base Voltage	V _{CBO}	30	V
Collector Emitter Voltage	V _{CEO}	20	V
Emitter Base Voltage	V _{EBO}	5	V
Collector Current	I _C	30	mA
Collector Power Dissipation	P _C	150	mW
Junction Temperature	T _j	150	°C
Storage Temperature	T _{stg}	- 55 to +150	°C

Electrical Characteristics (T_a=25°C unless specified otherwise)

DESCRIPTION	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Collector Cut Off Current	I _{CBO}	V _{CB} = 10V, I _E = 0			0.1	μA
DC Current Gain	*h _{FE}	V _{CB} = 10V, I _E = -1mA	70		220	
Transition Frequency	f _T	V _{CB} =10V, I _E = -1mA, f=200 MHz	150			MHz
Noise Figure	NF	V _{CB} =10V, I _E = -1mA, f = 5MHz			4	dB
Reverse Transfer Impedance	Z _{rb}	V _{CB} =10V, I _E = -1mA, f=2MHz			50	Ω
Common Emitter Reverse-Transfer Capacitance	C _{re}	V _{CE} =10V, I _c = 1mA, f=10.7 MHz			1.5	pF

h_{FE} Classification*B : 70 - 140****C : 110 - 220****Marking****VB****VC**

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Disclaimer

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