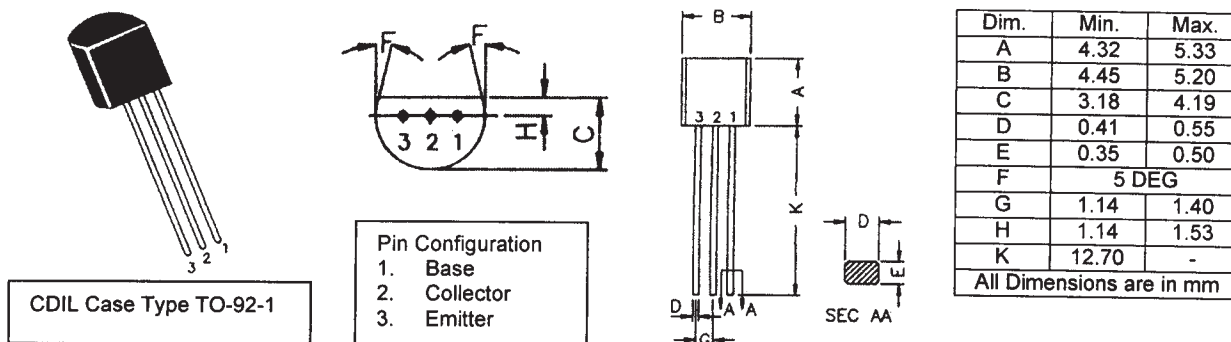


## TO-92 Plastic Package Transistor

### CDIL -BC212L - PNP Transistor – Style TO-92-1



#### Maximum Ratings

Collector - Base Breakdown Voltage, Emitter Open	$V_{CBO}$	Min.	60	V
Collector - Emitter Breakdown Voltage, Base Open	$V_{CEO}$	Min.	50	V
Emitter - Base Breakdown Voltage, Collector Open	$V_{EBO}$	Min.	5	V
Allowable Power Dissipation @ $T_c = 25^\circ\text{C}$	$P_D$		0.35	W
Collector Current	$I_C$		0.1	A

#### Electrical Characteristics ( $T_a=25^\circ\text{C}$ , Unless Otherwise Specified)

Collector Cut Off Current, Emitter Open @ Collector Base Voltage	$I_{CBO}$	Max.	0.015	$\mu\text{A}$
	$V_{CB}$		30	V
Collector Cut Off Current, with Emitter & Base Shorted @ Collector Emitter Voltage	$I_{CES}$	Max.	-	$\mu\text{A}$
	$V_{CE}$		-	V
Small Signal, Current Gain, Common Emitter  @ Collector Current & Collector - Emitter Voltage	$h_{FE}$	Min.	60	
		Max.	-	
	$I_C$		2	mA
	$V_{CE}$		5	V
Collector - Emitter Saturation Voltage  & Base - Emitter Saturation Voltage @ Collector Current	$V_{CE(SAT)}$	Max.	0.6	V
		Min.	-	V
	$V_{BE(SAT)}$	Max.	1.4	V
	$I_C$		100	mA
Output Capacitance, Common Base	$C_{ob}$	Max.	6	pF
Transition Frequency (common emitter, gain bandwidth product) @ Collector Current	$f_t$	Min.	-	MHz
		Typ.	280	MHz
	$I_C$		10	mA
Turn-off Time ( $t_s + t_f$ )	$t_{(off)}$	Max.	-	ns
Common Source Noise Figure @ Frequency	NF	Max.	10	dB
			0.001	MHz