

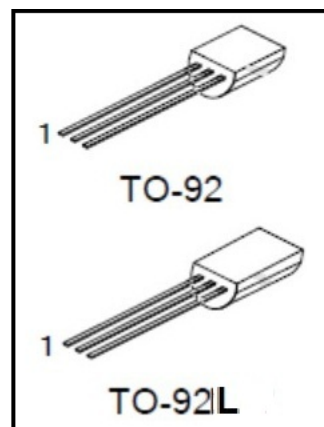
2SC2655

Features

- Complementary to: 2SA1020
- Package: TO-92/TO-92L

Maximum Ratings (Ta = 25°)

Parameter	Symbol	Rating		Unit
Collector-base voltage	BV_{CBO}	50		V
Collector-emitter voltage	BV_{CEO}	50		V
Emitter-base voltage	BV_{EBO}	5		V
Collector current	I_{CM}	2		A
Collector Power Dissipation	P_C	TO-92	625	mW
		TO-92L	900	
Junction Temperature	T_j	125		°C
Storage Temperature	T_{stg}	-55~+125		°C



Package	Pin assignment		
	1	2	3
TO-92	E	C	B
TO-92L	E	C	B

Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=100\mu A, I_E=0$	50			V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C=10mA, I_B=0$	50			V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E=100\mu A, I_C=0$	5			V
Collector-base cut-off current	I_{CBO}	$V_{CB}=50V, I_E=0$			1.0	μA
Collector-emitter cut-off current	I_{CEO}	$V_{CE}=50V, I_B=0$			1.0	μA
Emitter-base cut-off current	I_{EBO}	$V_{EB}=5V, I_C=0$			1.0	μA
DC current gain	H_{FE1}	$V_{CE}=2V, I_C=0.5A$	70		240	
	H_{FE2}	$V_{CE}=2V, I_C=1.5A$	40			
Collector-emitter saturation voltage	V_{CESAT}	$I_C=1.0A, I_B=50mA$			0.5	V
Base-Emitter Saturation Voltage	V_{BESAT}	$I_C=1.0A, I_B=50mA$			1.2	
Transition frequency	f_T	$V_{CE}=2V, I_C=0.5A,$		100		MHz

Classification of H_{FE}

Rank	2SC2655-O	2SC2655-Y
Range	70-140	120-240