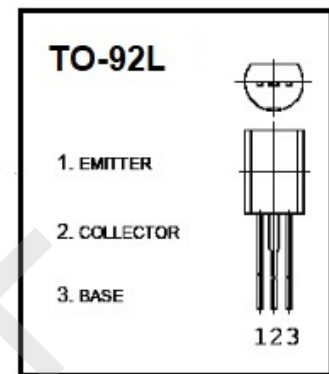


2SC2328A

- Complementary to: 2SA928A
- Package: TO-92L

Maximum Ratings (Ta = 25°)

Parameter	Symbol	Rating	Unit
Collector-base voltage	BV_{CBO}	30	V
Collector-emitter voltage	BV_{CEO}	30	V
Emitter-base voltage	BV_{EBO}	5	V
Collector current	I_{CM}	2	A
Collector Power Dissipation	P_C	625	mW
Junction Temperature	T_j	150	°C
Storage Temperature	T_{stg}	-55 ~ +150	°C



Electrical Characteristics (Ta=25°C)

Parameter	Symbol	Test Condition	Min	Max	Unit
Collector-Base Breakdown Voltage	BV_{CBO}	$I_C=100\mu A, I_E=0$	30		V
Collector-Emitter Breakdown Voltage	BV_{CEO}	$I_C=10mA, I_B=0$	30		V
Emitter-Base Breakdown Voltage	BV_{EBO}	$I_E=1mA, I_C=0$	5		V
collector-base cut-off current	I_{CBO}	$V_{CB}=30V, I_E=0$		0.1	μA
collector-emitter cut-off current	I_{CEO}	$V_{CE}=-30V, I_B=0$		1.0	μA
emitter-base cut-off current	I_{EBO}	$V_{EB}=5V, I_C=0$		0.1	μA
DC current gain	H_{FE1}	$V_{CE}=2V, I_C=0.5A$	100	320	
collector-emitter saturation voltage	V_{CESAT}	$I_C=1.5A, I_B=30mA$		0.5	V
Base-Emitter Saturation Voltage	V_{BESAT}	$I_C=1.5A, I_B=-30mA$		1.2	
Transition frequency	f_T	$V_{CE}=5V, I_C=500mA$		120	MHz

Classification of H_{FE}

Rank	2SC2328A-O	2SC2328A-Y
Range	100-200	160-320