

RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

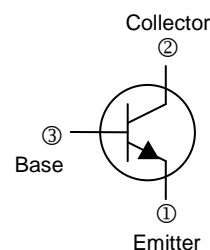
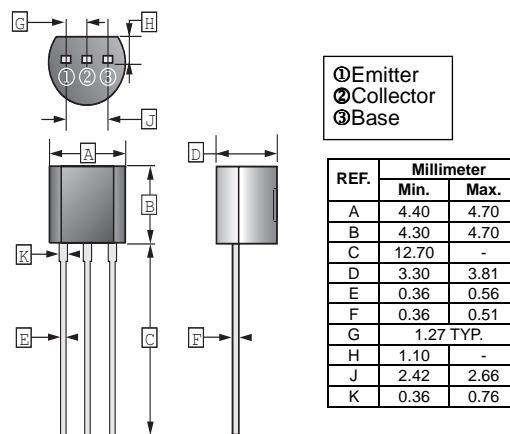
FEATURES

- High DC current gain and excellent h_{FE} linearity.
- Low saturation voltage.

CLASSIFICATION OF h_{FE}

Product-Rank	2SC3279-L	2SC3279-M	2SC3279-N	2SC3279-P
Range	140~240	200~330	300~450	420~600

TO-92



ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	30	V
Collector to Emitter Voltage	V_{CEO}	10	V
Emitter to Base Voltage	V_{EBO}	6	V
Collector Current - Continuous	I_C	2	A
Collector Power Dissipation	P_C	0.75	W
Junction, Storage Temperature	T_J, T_{STG}	150, -55~150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Conditions
Collector to Base Breakdown Voltage	$V_{(BR)CBO}$	30	-	-	V	$I_C=1\text{mA}, I_E=0$
Collector to Emitter Breakdown Voltage	$V_{(BR)CEO}$	10	-	-	V	$I_C=10\text{mA}, I_B=0$
Emitter to Base Breakdown Voltage	$V_{(BR)EBO}$	6	-	-	V	$I_E=1\text{mA}, I_C=0$
Collector Cut - Off Current	I_{CBO}	-	-	0.1	μA	$V_{CB}=30\text{V}, I_E=0$
Emitter Cut - Off Current	I_{EBO}	-	-	0.1	μA	$V_{EB}=6\text{V}, I_C=0$
DC Current Gain	h_{FE}	140	-	600		$V_{CE}=1\text{V}, I_C=500\text{mA}$
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	-	-	0.82	V	$I_C=2\text{A}, I_B=100\text{mA}$
Base to Emitter voltage	V_{BE}	-	-	1.5	V	$V_{CE}=1\text{V}, I_C=2\text{A}$
Collector Output Capacitance	C_{ob}	-	27	-	pF	$V_{CB}=10\text{V}, I_E=0, f=1\text{MHz}$
Transition Frequency	f_T	-	150	-	MHz	$V_{CE}=1\text{V}, I_C=0.5\text{A}$

CHARACTERISTIC CURVES

