

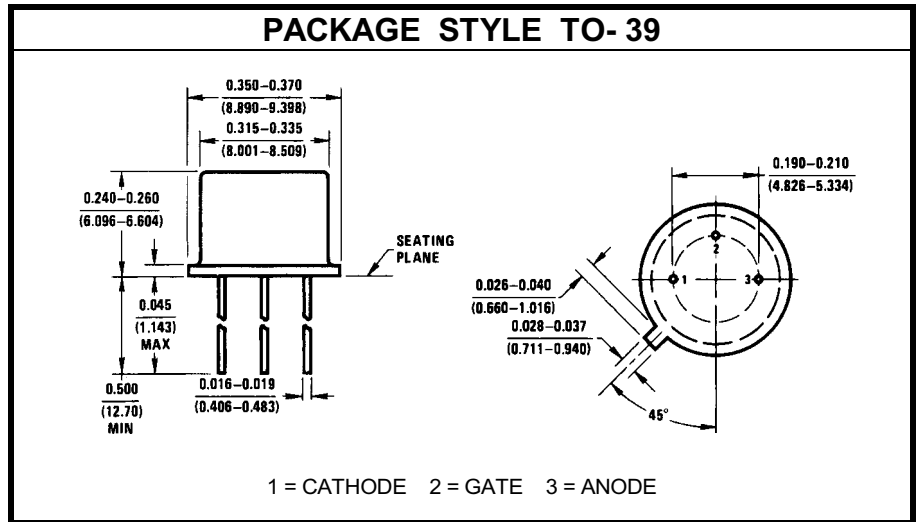
SILICON CONTROLLED RECTIFIER (SCR)

DESCRIPTION:

The **2N2323** is a Medium Current SCR for General Purpose Power Control Applications.

MAXIMUM RATINGS

I_T	1.6 A (RMS) @ $T_C = 85^\circ\text{C}$
I_T	1.0 A (AVG) @ $T_C = 85^\circ\text{C}$
V_{CE}	50 V
P_{DISS}	$P_{GM} = 100\text{ mW}$ $P_G (\text{AVG}) = 10\text{ mW}$
T_J	-65°C to $+125^\circ\text{C}$
T_{STG}	-65°C to $+150^\circ\text{C}$


CHARACTERISTICS $T_C = 25^\circ\text{C}$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
I_{DRM}/I_{RRM}	$V_{DRM}/V_{RRM} = 50\text{ V}$		10		μA
I_{DRM}/I_{RRM}	$V_{DRM}/V_{RRM} = 50\text{ V}$ $T_C = 125^\circ\text{C}$			100	μA
I_{GT}	$V_D = 6.0\text{ V}$ $R_L = 100\ \Omega$ $T_C = -65^\circ\text{C}$			200 350	μA
V_{GT}	$V_D = 6.0\text{ V}$ $R_L = 100\ \Omega$ $T_C = -65^\circ\text{C}$ $V_D = 50\text{ V}$ $R_L = 100\ \Omega$ $T_C = 125^\circ\text{C}$			0.8 1.0	V
I_H	$V_D = 6.0\text{ V}$ $T_C = -65^\circ\text{C}$ $T_C = 125^\circ\text{C}$		2.0	30	mA
V_{TM}	$I_{TM} = 1.0\text{ A}$ $I_{TM} = 3.14\text{ A (PEAK)}$ $T_C = 85^\circ\text{C}$		1.5	2.0	V
I_{TSM}	60 Hz (NON REPETITIVE) $T_C = 80^\circ\text{C}$			15	A