

# SILICON CURRENT REGULATOR DIODE

## DESCRIPTION:

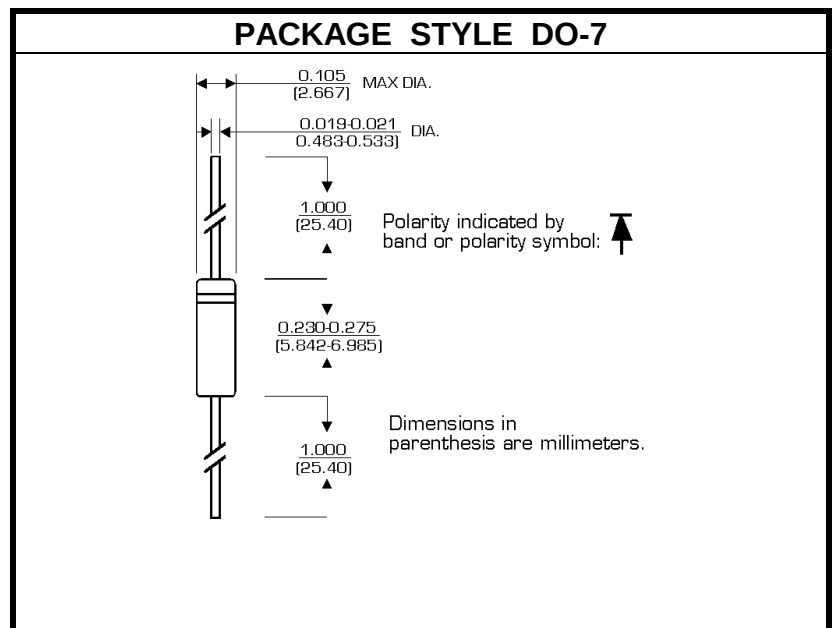
The **ASI 1N5283** is Silicon Constant Current Diode Designed for General Purpose Power Supply and Signal Processing Applications.

## FEATURES INCLUDE:

- $I_P = 220 \mu A$  Nominal
- $Z_T = 25.0 M\Omega$  Minimum
- Hermetic **DO-7** Package

## MAXIMUM RATINGS

|               |                                 |
|---------------|---------------------------------|
| $P_{OV}$      | 100 V                           |
| $P_{DISS}$    | 600 mW @ $T_C = 75^\circ C$     |
| $T_J$         | $-55^\circ C$ to $+200^\circ C$ |
| $T_{STG}$     | $-55^\circ C$ to $+200^\circ C$ |
| $\theta_{JC}$ | 210 $^\circ C/W$                |



## CHARACTERISTICS $T_C = 25^\circ C$

| SYMBOL | TEST CONDITIONS   | MINIMUM | TYPICAL | MAXIMUM | UNITS     |
|--------|-------------------|---------|---------|---------|-----------|
| $I_P$  | $V_T = 25 V$      | 198     |         | 242     | $\mu A$   |
| $Z_T$  | $V_T = 25 V$      | 25.0    |         |         | $m\Omega$ |
| $Z_K$  | $V_K = 6.0 V$     | 2.75    |         |         | $K\Omega$ |
| $V_L$  | $I_L = 158 \mu A$ |         |         | 1.00    | V         |