

# SILICON CURRENT REGULATOR DIODE

**DESCRIPTION:**

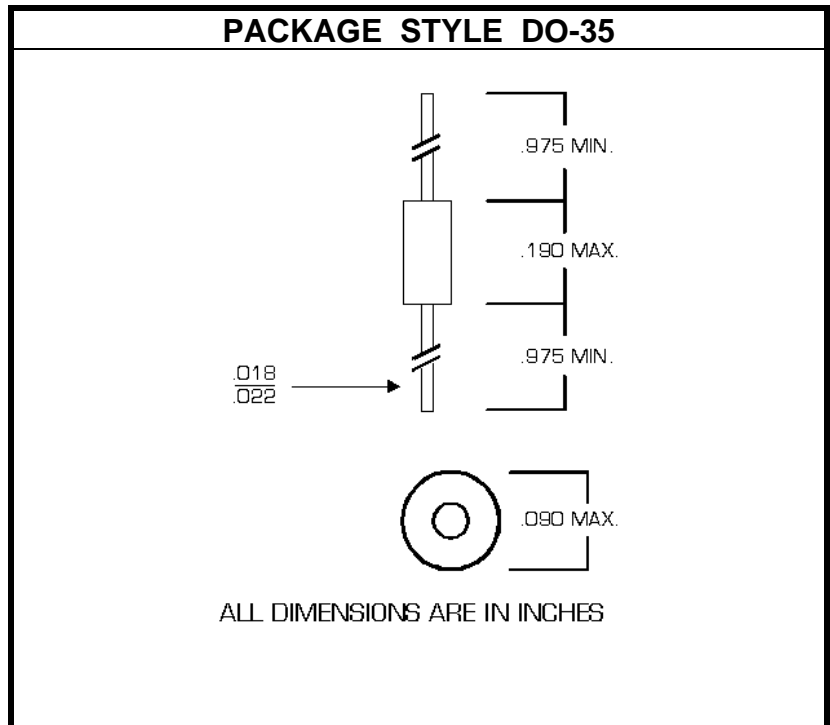
The **1N5290** is Silicon Constant Current Diode Designed for General Purpose Power Supply and Signal Processing Applications.

**FEATURES INCLUDE:**

- $I_P = 470 \mu A$  Nominal
- $Z_T = 2.70 M\Omega$  Minimum
- Hermetic **DO-35** 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
$I_P$	$V_T = 25 V$	423		517	$\mu A$
$Z_T$	$V_T = 25 V$	2.70			$m\Omega$
$Z_K$	$V_K = 6.0 V$	750			$K\Omega$
$V_L$	$I_L = 338 \mu A$			1.05	V