

# GLASS PACKAGE STEP RECOVERY DIODE

**DESCRIPTION:**

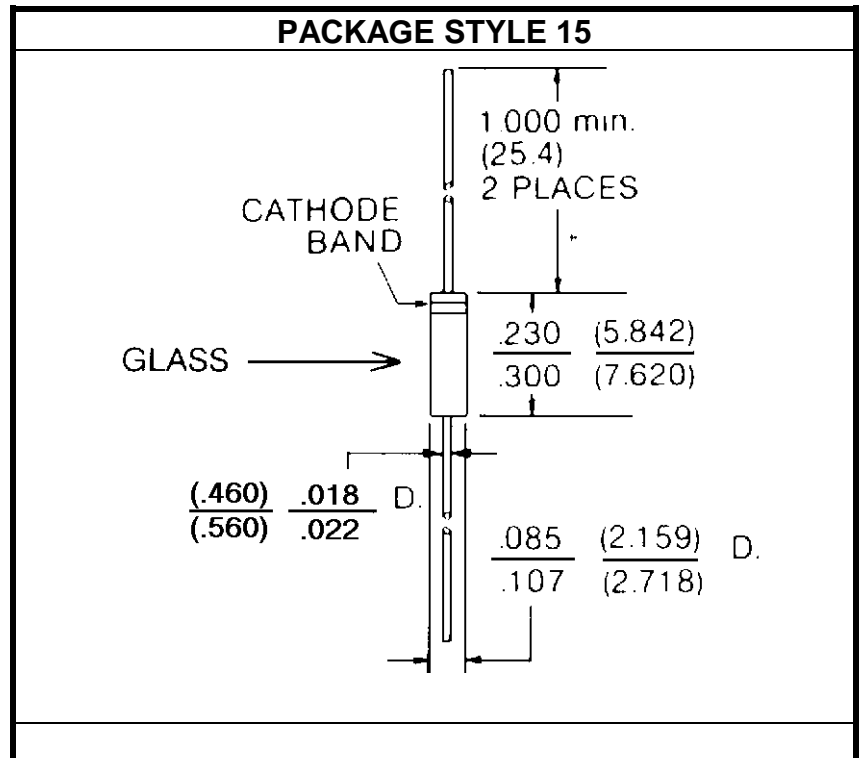
The **ASI 5082-0153** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

**FEATURES INCLUDE:**

- Transition Time **95 pS**
- Hermetic Glass Package

**MAXIMUM RATINGS**

$I_F$	50 mA
$V_R$	25 V
$P_{DISS}$	290 mW @ $T_C = 25\text{ }^\circ\text{C}$
$T_J$	-65 to +200 $^\circ\text{C}$
$T_{STG}$	-65 to +200 $^\circ\text{C}$
$\theta_{JC}$	0.6 $^\circ\text{C}/\text{mW}$


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

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10\text{ }\mu\text{A}$		25			V
$C_{J6}$	$V_R = 10\text{ V}$	$f = 1.0\text{ MHz}$			.40	pF
$\tau$	$I_F = 10\text{ mA}$	$I_R = 6.0\text{ mA}$	10			nS
$T_t$	$V_R = 7.0\text{ V}$	$I_F = 3.0\text{ mA}$			95	pS