

GLASS PACKAGE STEP RECOVERY DIODE

DESCRIPTION:

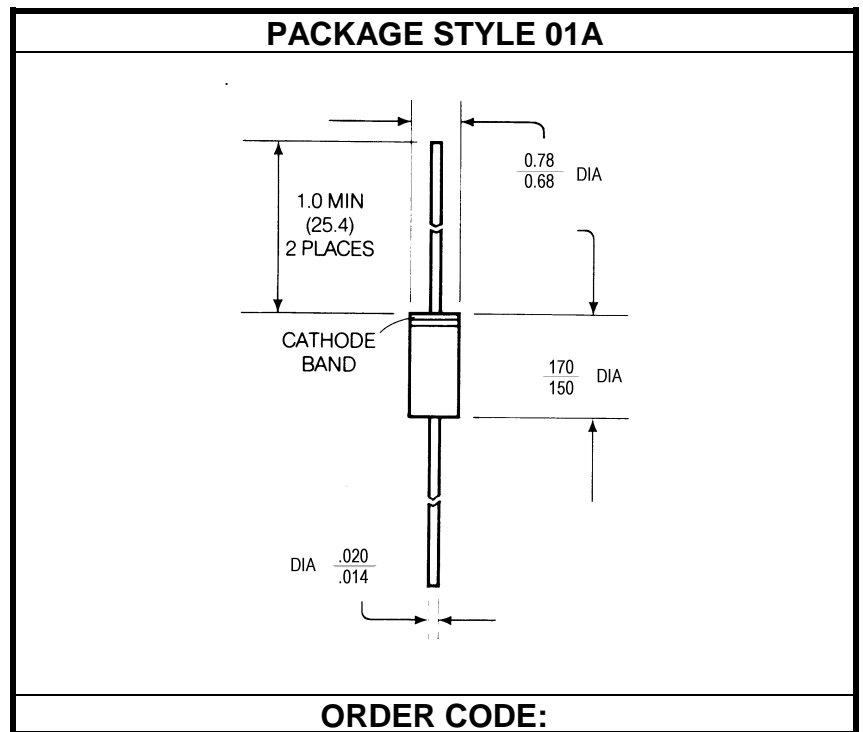
The **ASI 5082-0180** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

FEATURES INCLUDE:

- Transition Time **250 pS** Typical
- Hermetic Glass Package

MAXIMUM RATINGS

I_F	50 mA
V_R	50 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 $^\circ\text{C}$
θ_{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}	$I_R = 10\text{ }\mu\text{A}$	50			V
C_J	$V_R = 10\text{ V}$ $f = 1.0\text{ MHz}$			4.45	pF
τ	$I_F = 10\text{ mA}$ $I_R = 6.0\text{ mA}$	100			nS
T_t	$V_R = 7.0\text{ V}$ $I_F = 3.0\text{ mA}$			225	pS