



5082-0180

GLASS PACKAGE STEP RECOVERY DIODE

DESCRIPTION:

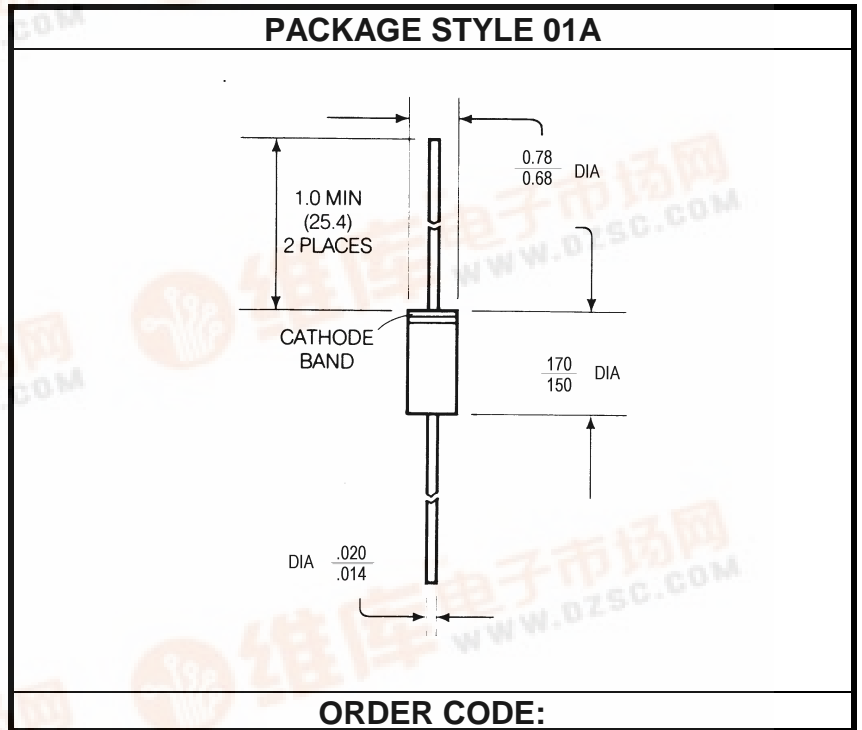
The **ASI 5082-0180** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

FEATURES INCLUDE:

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

MAXIMUM RATINGS

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



CHARACTERISTICS $T_C = 25^\circ C$

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu A$	50			V
C_J	$V_R = 10 V$ $f = 1.0 MHz$			4.45	pF
τ	$I_F = 10 mA$ $I_R = 6.0 mA$	100			nS
T_t	$V_R = 7.0 V$ $I_F = 3.0 mA$			225	pS

