

GLASS PACKAGE STEP RECOVERY DIODE

DESCRIPTION:

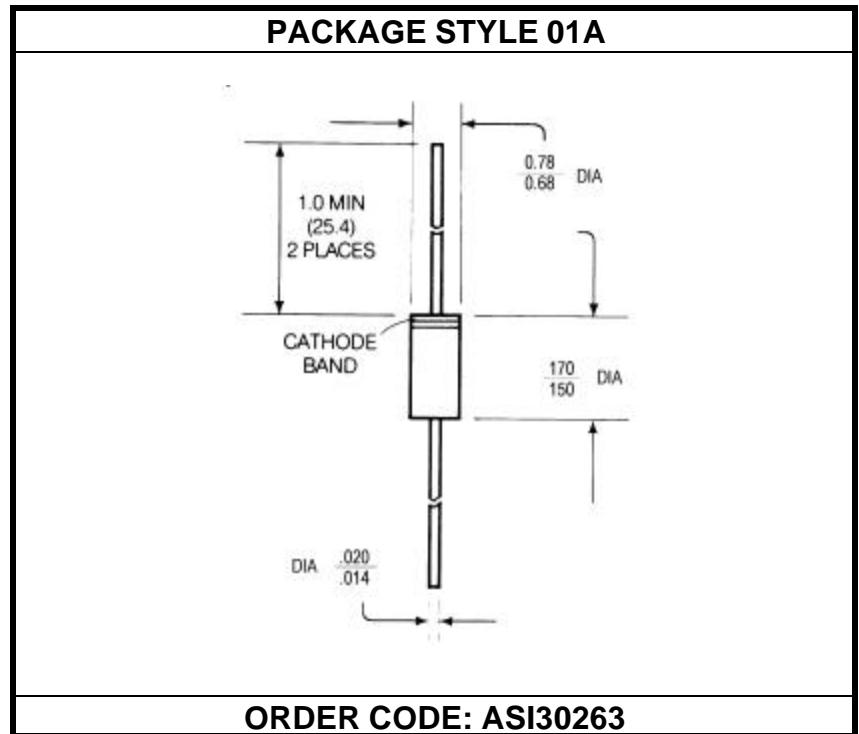
The **5082-0112** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

FEATURES INCLUDE:

- Transition Time **90 pS** Typical
- Hermetic Glass Package

MAXIMUM RATINGS

I_F	50 mA
V_R	35 V
P_{DISS}	290 mW @ $T_C = 25^\circ\text{C}$
T_J	-65 to +200 $^\circ\text{C}$
T_{STG}	-65 to +200 $^\circ\text{C}$
q_{JC}	0.6 $^\circ\text{C}/\text{mW}$



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

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	$I_R = 10 \mu\text{A}$		35			V
C_{J6}	$V_R = 10 \text{ V}$	$f = 1.0 \text{ MHz}$			1.55	pF
t	$I_F = 10 \text{ mA}$	$I_R = 6.0 \text{ mA}$	50			nS
T_t	$V_R = 7.0 \text{ V}$	$I_F = 3.0 \text{ mA}$			175	pS