

GLASS PACKAGE STEP RECOVERY DIODE

DESCRIPTION:

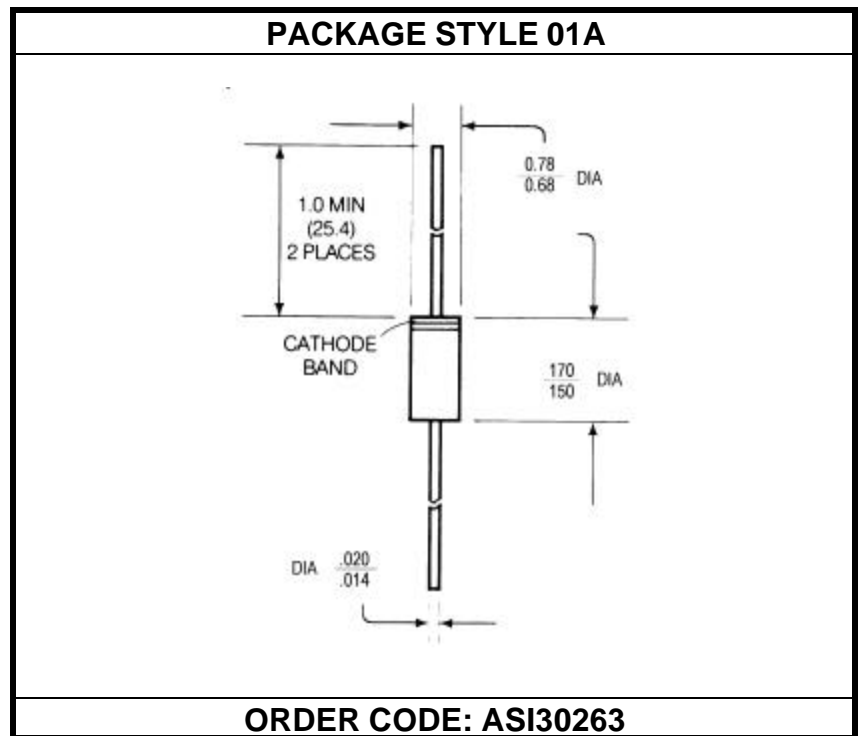
The **5082-0112** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

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 °C
T_J	-65 to +200 °C
T_{STG}	-65 to +200 °C
q_{JC}	0.6 °C /mW


CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
V_{BR}	I _R = 10 μA	35			V
C_{J6}	V _R = 10 V f = 1.0 MHz			1.55	pF
t	I _F = 10 mA I _R = 6.0 mA	50			nS
T_t	V _R = 7.0 V I _F = 3.0 mA			175	pS