

# GLASS PACKAGE STEP RECOVERY DIODE

**DESCRIPTION:**

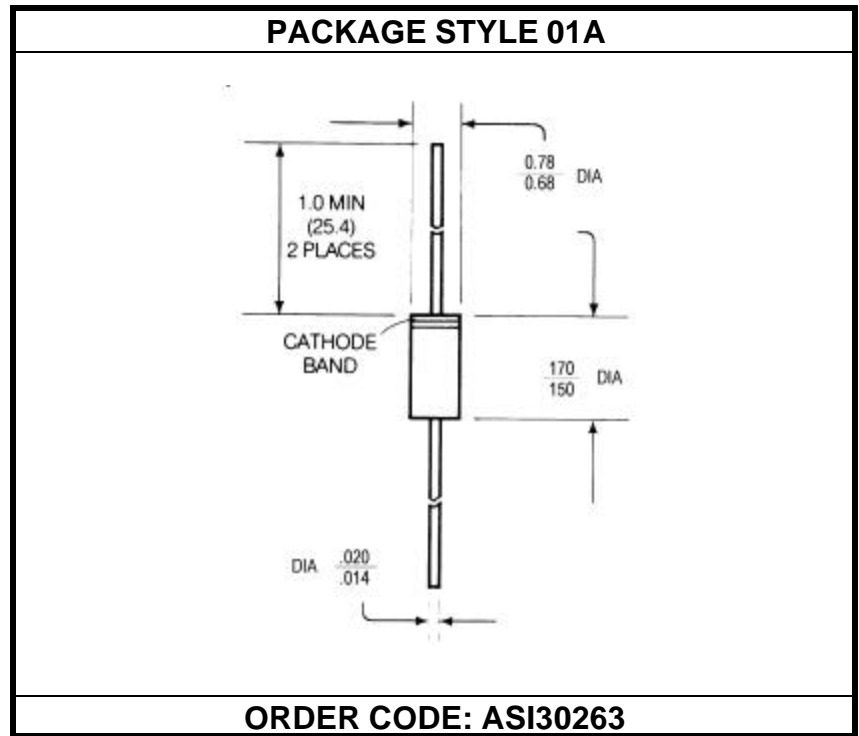
The **5082-0112** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

**FEATURES INCLUDE:**

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

**MAXIMUM RATINGS**

<b>I<sub>F</sub></b>	50 mA
<b>V<sub>R</sub></b>	35 V
<b>P<sub>DISS</sub></b>	290 mW @ T <sub>C</sub> = 25 °C
<b>T<sub>J</sub></b>	-65 to +200 °C
<b>T<sub>STG</sub></b>	-65 to +200 °C
<b>q<sub>JC</sub></b>	0.6 °C /mW



**CHARACTERISTICS** T<sub>C</sub> = 25 °C

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
<b>V<sub>BR</sub></b>	I <sub>R</sub> = 10 μA	35			<b>V</b>
<b>C<sub>J6</sub></b>	V <sub>R</sub> = 10 V f = 1.0 MHz			1.55	<b>pF</b>
<b>t</b>	I <sub>F</sub> = 10 mA I <sub>R</sub> = 6.0 mA	50			<b>nS</b>
<b>T<sub>t</sub></b>	V <sub>R</sub> = 7.0 V I <sub>F</sub> = 3.0 mA			175	<b>pS</b>