

GLASS PACKAGE STEP RECOVERY DIODE

DESCRIPTION:

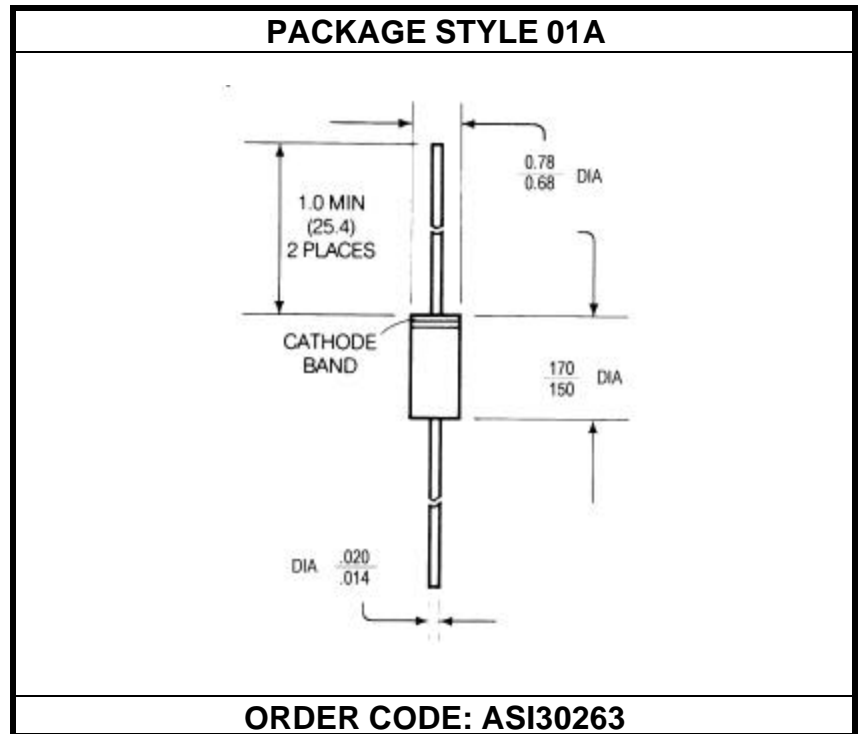
The **5082-0112** is a Silicon Step Recovery Diode Designed for Synthesiser and Sampler Applications Requiring a High Performance to Cost Ratio.

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 |