

# BAND SWITCHING PIN DIODE

## DESCRIPTION:

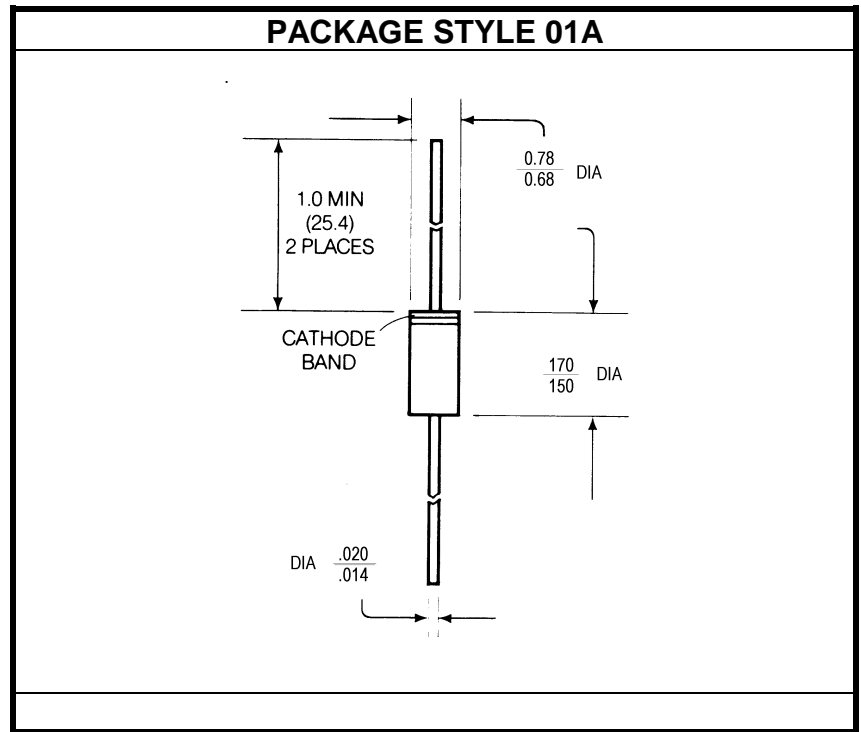
The **ASI 5082-3188** is a Switching Diode Designed for low power Applications such as RF duplexers, antenna switching matrices, and time multiplex filters, Optimized for VHF/UHF band switching.

## FEATURES INCLUDE:

- Low series resistance
- Low capacitance
- Hermetic Glass Package

## MAXIMUM RATINGS

$I_F$	100 mA
$V_R$	35 V
$P_{DISS}$	250 mW @ $T_C = 25\text{ }^\circ\text{C}$
$T_J$	-65 °C to +200 °C
$T_{STG}$	-65 °C to +150 °C
$\theta_{JC}$	0.6 °C /mW



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

SYMBOL	TEST CONDITIONS	MINIMUM	TYPICAL	MAXIMUM	UNITS
$V_{BR}$	$I_R = 10\text{ }\mu\text{A}$	35			V
$C_T$	$V_R = 20\text{ V}$ $f = 1.0\text{ MHz}$			1.0	pF
$R_S$	$I_F = 10\text{ mA}$ $f = 100\text{ MHz}$			0.6	$\Omega$
$\tau$	$I_F = 10\text{ mA}$ $I_R = 6.0\text{ mA}$		70		nS
$t_{rr}$	$V_R = 10\text{ V}$ $I_F = 20\text{ mA}$		12		nS