



KV3901

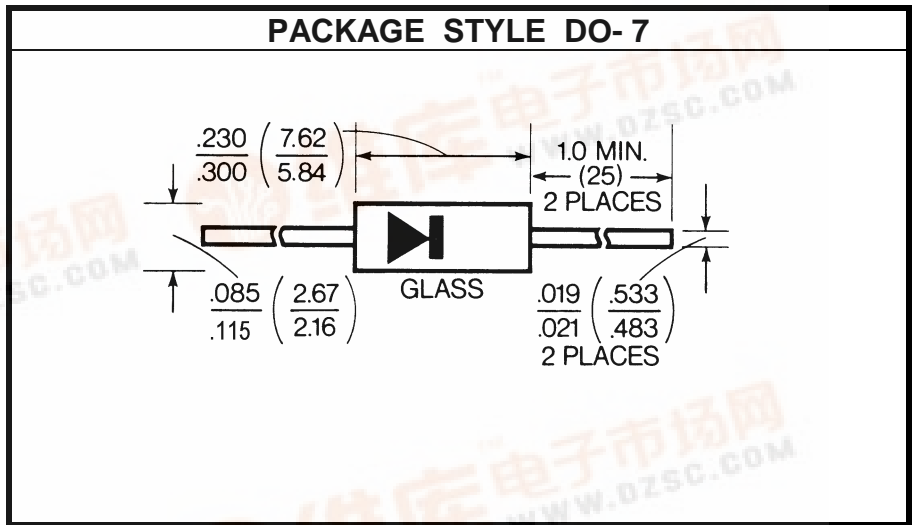
SILICON HYPERABRUPT TUNING DIODE

DESCRIPTION:

The **ASI KV3901** Varactor Diode is Designed for General Purpose Tuning Applications. The Cathode is Indicated by a Band.

MAXIMUM RATINGS

I_F	200 mA
V_R	30 V
P_{DISS}	400 mW @ $T_A = 25\text{ }^\circ\text{C}$
T_J	-65 °C to +125 °C
T_{STG}	-65 °C to +150 °C



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

SYMBOL	TEST CONDITIONS		MINIMUM	TYPICAL	MAXIMUM	UNITS
V_R	$I_R = 10\text{ }\mu\text{A}$		30			V
I_R	$V_R = 28\text{ V}$				50	μA
C_{T-3}	$V_R = -3.0\text{ V}$	$f = 1.0\text{ MHz}$	26	29	32	pF
C_{T-25}	$V_R = -25\text{ V}$	$f = 1.0\text{ MHz}$	4.5	5.1	6.0	pF
ΔC_T	$V_R = -3\text{ to }-25\text{ V}$	$f = 1.0\text{ MHz}$	5.0	5.7	6.5	---
Q	$V_R = -3.0\text{ V}$	$f = 50\text{ MHz}$	200	280		

