

SILICON ABRUPT JUNCTION VARACTOR

DESCRIPTION:

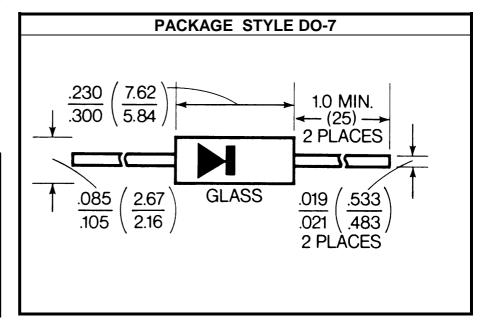
The **AT6022B-15** is a Silicon Abrupt Junction Varactor Designed for Octave Tuning of VHF Filters and Oscillators.

FEATURES INCLUDE:

- Silicon Dioxide Passivation
- $\bullet \gamma = 0.5$
- Hermetic DO-7 Package

MAXIMUM RATINGS

I _F	100 mA				
V_{R}	70 V				
P _{DISS}	250 mW @ $T_C = 25$ °C				
TJ	-65 °C to +150 °C				
T _{STG}	-65 °C to +150 °C				
θ _{JC}	500 °C/W				



CHARACTERISTICS T_C = 25 °C

SYMBOL	TEST C	MINIMUM	TYPICAL	MAXIMUM	UNITS	
V_{BR}	$I_R = 10 \mu A$		70			V
I _R	I _R = 48 V				50	nA
C _{T4}	V _R = 4.0 V	f = 1.0 MHz	53.2		58.8	pF
C _{T30}	V _R = 30 V	f = 1.0 MHz	22.0		26.25	pF
ΔC _T	C _{T0} / C _{T60}	f = 1.0 MHz	7.4			
ΔC_{T}	C _{T8} / C _{T60}	f = 1.0 MHz	2.50		2.60	
T _C	V _R = 4.0 V	f = 1.0 MHz			300	ppm
Q	V _R = 4.0 V	f = 50 MHz	600			