

# 2CLS01-H

## HIGH VOLTAGE RECTIFIER DIODE

### FEATURES :

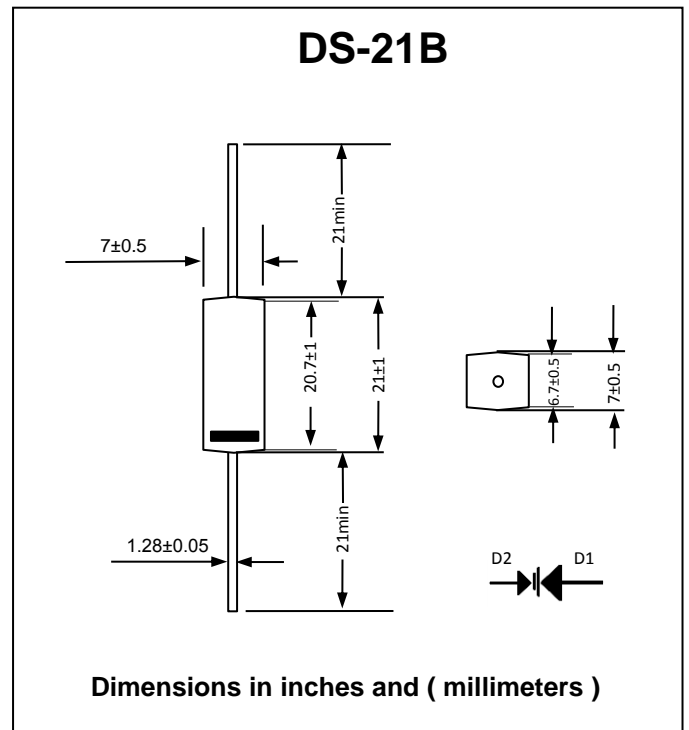
- \* Glass passivated junction chip
- \* High current capability
- \* High surge current capability
- \* High reliability
- \* Low reverse current
- \* Low forward voltage drop
- \* Pb / RoHS Free

### APPLICATION :

- \* Micro-wave Oven

### MECHANICAL DATA :

- \* Case : DS-21B Molded plastic
- \* Epoxy : UL94V-O rate flame retardant
- \* Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- \* Polarity : Color band denotes cathode end
- \* Mounting position : Any



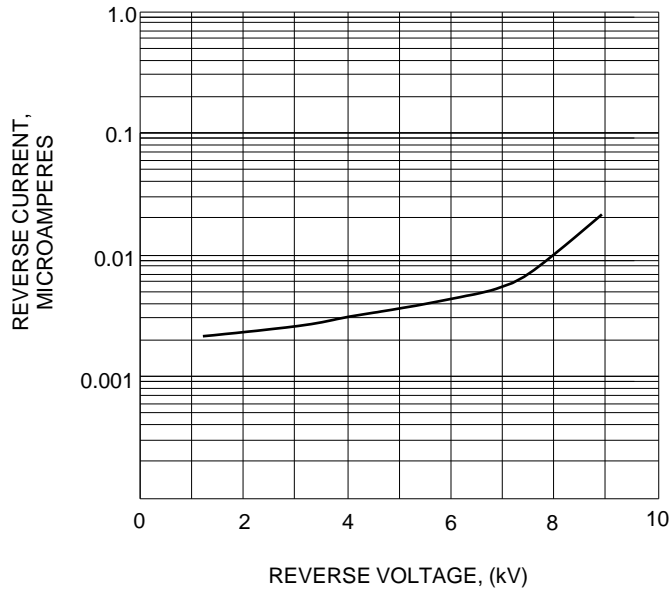
### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25 °C ambient temperature unless otherwise specified.

RATING	SYMBOL	VALUE		UNIT
		D1	D2	
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	6.0	1.7	kV
Maximum RMS Voltage	$V_{RMS}$	4.2	1.19	kV
Maximum DC Blocking Voltage	$V_{DC}$	6.0	1.7	kV
Avalanche Breakdown Voltage at $I_R = 100 \mu A$	$V_{(BR)}$	7.0	2.1-2.8	kV
Maximum DC Reverse Current at $V_{RM}=V_{RRM}$	$I_R$	10.0		$\mu A$
Maximum Junction temperature	$T_j$	130		$^{\circ}C$
Storage temperature	$T_{stg}$	-40 to +130		$^{\circ}C$

**RATING AND CHARACTERISTIC CURVES ( 2CLS0-H )**

**FIG.1 - TYPICAL REVERSE CHARACTERISTICS (D1)**



**FIG.2 - TYPICAL REVERSE CHARACTERISTICS (D2)**

