

Features

Axial leaded device
Fast reverse recovery time

CL20-30

30kv,200mA,100ns
High Voltage Diode

Device Electrical Characteristics

($T_a=25^{\circ}\text{C}$ Unless otherwise noted)

Items	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	30kv
Average Forward Current Maximum	$T_a=55^{\circ}\text{C}$	I_{FAVM}	200mA
Maximum Forward Voltage	$I_F=200\text{mA}$	V_{FM}	50Volts
Maximum Surge Current rating	10msec, half sine	I_{FSM}	30Amps
Maximum Reverse Current	$V_R=V_{RRM}$	I_{RM1}	$2.0\mu\text{A}$
Maximum High Temperature Reverse Current	$T_a=100^{\circ}\text{C}$, $V_R=V_{RRM}$	I_{RM2}	$10\mu\text{A}$
Maximum Reverse Recovery Time	$I_F=40\text{mA}$ $I_R=80\text{mA}$ $I_{RR}=20\text{mA}$	trr	100ns
Minimum Junction Temperature	—	T_j	120°C
Storage Temperature Range	—	T_{STG}	-40°C to 150°C

Mechanical Data

Items	Symbol	(mm)
Body length	A	22
Body diameter	D	7.5
Lead length	B	22
Lead diameter	C	1.2

