

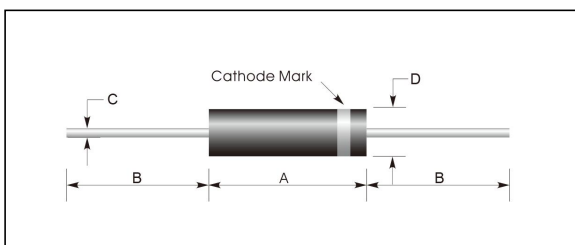
### 2CL2FM High Voltage Diode



#### FEATURES

- Low leakage, high surge capability
- High voltage, fast recovery rectifier
- Tj: -40°C ~ +150°C
- Polyimide passivation technology
- Epoxy resin molding, compact encapsulation
- ROHS compliant

DEVICE ELECTRICAL CHARACTERISTICS (25°C ambient temperature unless stated otherwise)	CONDITIONS	SYMBOL	2CL2FM
Repetitive Peak Reverse Voltage		$V_{RRM}$	20KV
Average Forward Current		$I_{AV}$	100mA
Non-Repetitive Peak Forward Current	Ta=25°C , rated load , half cycle , single phase , 50Hz	$I_{FSM}$	10A
Allowable Junction Temperature	half cycle sinewave peak voltage	$T_j$	120°C
Allowable Operating Case Temperature		$T_c$	100°C
Storage Temperature Range		$T_{stg}$	-40~120°C
Maximum Forward Voltage Drop	$I_F=10mA$	$V_F$	35.0V
Maximum Reverse Recovery Time	$I_F=2mA$ $I_R=4mA$	$t_{rr}$	0.1μS
Maximum Reverse Current	$V_R=V_{RRM}$ , 25 °C	$I_{R1}$	2.0μA
Maximum Reverse Current	$V_R=V_{RRM}$ , 100 °C	$I_{R2}$	50μA



SYMBOL	2CL2FM ( Unit : mm )
A	15.0
D	Φ4.3
B	24
C	Φ1.0