2CL2FR

35 kV, 60 mA
High Voltage Silicon Diode

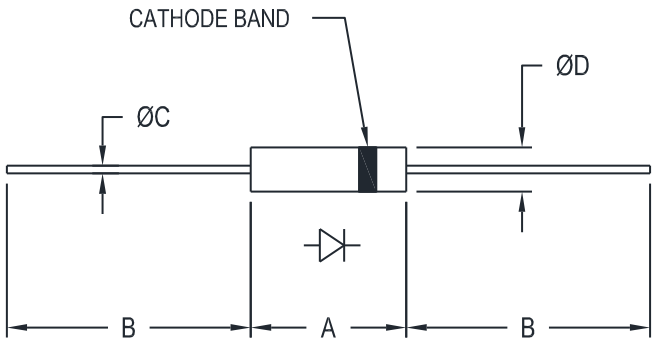
Features

- Medium power, Fast recovery device
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II; Annex III, 7(a)

Device Electrical Characteristics
(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	35,000 Volts
Average Forward Current Maximum	T_A = 40°C	I_{FAVM}	60 mA
Average Forward Current Maximum	T_{OIL} = 55°C	I_{FAVM}	100 mA
Maximum Forward Voltage Drop	I_F = 60 mA	V_F	52 Volts
Maximum Reverse Current	$V_R = V_{RRM}$	I_R	2.0 µA
Maximum Reverse Recovery Time	I_F = 40mA; I_R = 80mA; I_{RR} = 20mA	T_{RR}	100 ηsec
Typical Junction Capacitance	f=1MHz, V_R = 0DC	C_J	0.9pf
Maximum Surge Current	8.3msec, Half Sine	I_{FSM}	10 Amps
Maximum Junction Temperature	-	T_J	150°C
Storage Temperature Range	-	T_{STG}	-55°C to 150°C

		Min.		Max.	
Mechanical Data		**in.**	**mm**	**in.**	**mm**
Body Length	**A**	-	-	0.60	15.2
Body Diameter	**D**	-	-	0.170	4.3
Lead Length	**B**	-	-	0.94	23.9
Lead Diameter	**C**	0.028	0.7	0.032	0.8



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