



# High Voltage Rectifier Assembly

2CL10KV/20.0A-W

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### Features:

- Low leakage, low power,  $T_j: -40^{\circ}\text{C} \sim +150^{\circ}\text{C}$ .
- Transient large current shock resistance
- Reverse avalanche breakdown characteristics
- Efficient heat dissipation and heat transfer
- A wide variety of sizes or customization
- For HV rectification, isolation, protection

DEVICE ELECTRICAL CHARACTERISTICS (25°C ambient temperature unless stated otherwise)	SYMBOL	CONDITIONS	Value	Unit
Peak Reverse Repetitive Voltage	$V_{RRM}$		10	KV
Peak Working Repetitive Voltage	$V_{RWM}$		10	KV
Average Forward Rectifier	$I_O$	$T_{oil} = 50^{\circ}\text{C}$	20.0	A
Max. Rated Surge Current	$I_{FSM}$		400	A
Max. Forward Voltage	$V_{FM}$	$T_a = 25^{\circ}\text{C}$	14.0	V
Max. Reverse Leakage Current	$I_{RRM}$		20.0	$\mu\text{A}$
Max. Temperature of Junction	$T_j$		150	$^{\circ}\text{C}$
Range of storage temperature	$T_{stg}$		-40 ~ +150	$^{\circ}\text{C}$

