



# HVEF Series High Voltage Rectifiers

## HVEF, 8P, 10P, 12P



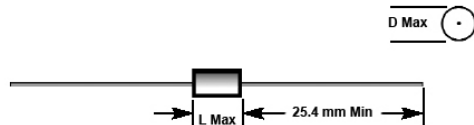
### Features:

- Extremely Fast Recovery Time
- Subminiature package
- High Peak Reverse Voltage
- Small Case Outline

## ELECTRICAL CHARACTERISTICS AND RATINGS

Parameter	Symbol	HVEF8P	HVEF10P	HVEF12P
Repetitive Peak Reverse Voltage	$V_{RRM}$	8000 Volts	10000 Volts	12000 Volts
Average Forward Current Max @ $T_A = 55^\circ\text{C}$ (OIL)	$I_{FAVM}$	40 mA	35 mA	30 mA
Maximum Forward Voltage Drop @ $I_F = 5 \text{ mA}$ @ $25^\circ\text{C}$	$V_F$	19.7 Volts	22.6 Volts	27 Volts
Maximum Reverse Current @ $V_{RRM}$ @ $25^\circ\text{C}$	$I_R$	0.2 $\mu\text{A}$		
Typical Reverse Recovery Time ( $T_A = 25^\circ\text{C}$ , $I_F = 12\text{mA}$ ; $I_R = 30\text{mA}$ ; $I_{rr} = 6\text{mA}$ )	$T_{RR}$	<20 $\mu\text{secs}$		
Maximum Surge Current (8.3ms, 1/2 sine wave)	$I_{FSM}$	3 Amps		
Maximum Junction Temperature	$T_J$	150 $^\circ\text{C}$		
Operating & Storage Temperature	$T_{OS}$	-40 $^\circ\text{C}$ to 150 $^\circ\text{C}$		

## CASE OUTLINE AND DIMENSIONS



	HVEF8P	HVEF10P	HVEF12P
L Max	6.7 mm	10.2 mm	10.2 mm
D Max	2.7 mm		