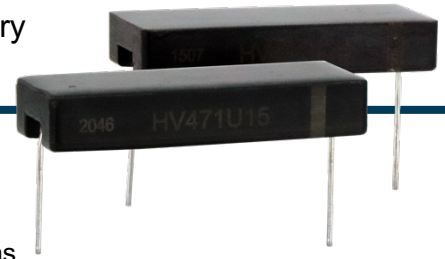




HV471 SERIES

8 to 15kV, 275 to 650mA, 75nS to Standard Recovery
High Voltage Rectifier



Features

- Fast Reverse Recovery Time for High Efficiency
- Molded Plastic Body, ANSI/UL94 V-0 Rated Material
- Radial Leaded, Low-Profile Body for Height Sensitive PC Board Applications

Specifications¹

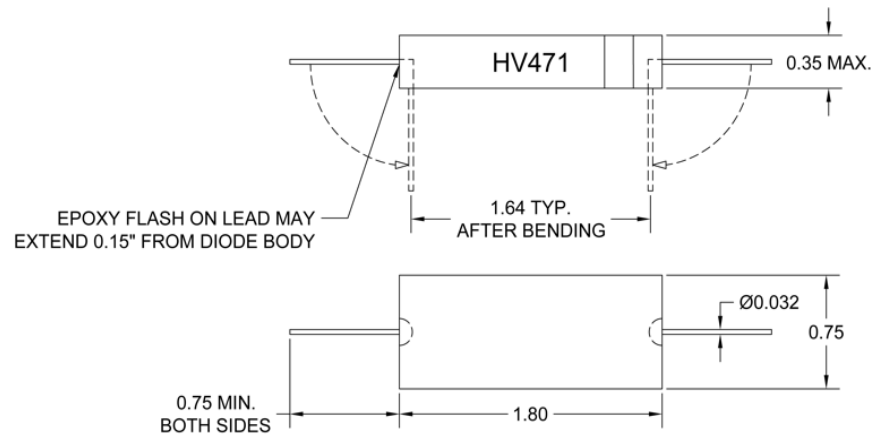
Part Number	V _{RRM} V	I _{FAVM1} mA	I _{FAVM2} mA	V _F V	I _R μA	I _{FSM} A	C _J pF	T _{RR} ² nS
Standard Recovery Subseries								
HV471S8	8000	650	1200	8.0	1	50	-	-
HV471S10	10000	550	1000	10.0	1	50	-	-
HV471S12	12000	475	870	12.0	1	50	-	-
HV471S15	15000	425	780	15.0	1	50	-	-
Ultra Fast Recovery Subseries								
HV471U8	8000	425	750	20.0	1	30	4.7	75
HV471U10	10000	375	660	25.0	1	30	3.8	75
HV471U12	12000	325	570	30.0	1	30	3.2	75
HV471U15	15000	275	480	37.5	1	30	2.5	75

Temperature °C	
Operating Temperature	-55 to 150
Storage Temperature	-55 to 150
Maximum Junction Temperature	150

¹25°C ambient temperature unless stated otherwise.

²A "-" Indicates the component is a standard recovery device and no T_{RR} data is taken.

Drawings



Dimensions in inches, tolerances ±0.020 except as noted



HV471 SERIES

Specification Definitions

Specifications		Conditions
V_{RRM}	Maximum Repetitive Reverse Voltage	-
I_{FAVM1}	Maximum Average Forward Current	At $T_A = 25^\circ\text{C}$
I_{FAVM2}	Maximum Average Forward Current	At $T_A = 55^\circ\text{C}$, in Oil
V_F	Maximum Forward Voltage Drop	At 100mA
I_R	Maximum Leakage Current	At V_{RRM}
I_{FSM}	Maximum Surge Current	At 8.3mS, Single Half Sine
C_J	Typical Junction Capacitance	At $V_R = 0\text{VDC}$, $f = 1\text{MHz}$
T_{RR}	Maximum Reverse Recovery Time	$I_F = 250\text{mA}$; $I_R = -500\text{mA}$; $I_{RR} = -125\text{mA}$

Note: Specifications subject to change without notice. Photo is representation only.

