

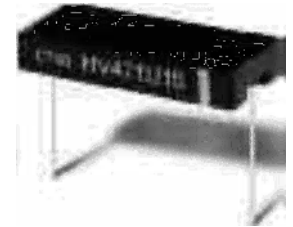


HV471U15

15KV, 480mA, Fast 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
- RoHS compliant based on exemption: [2011/65/EC, Annex III, 7(a)]



Device Electrical Characteristics

(25°C ambient temperature unless stated otherwise)

	Conditions	Symbol	Value
Maximum Repetitive Peak Reverse Voltage		V_{RRM}	15,000 Volts
Average Forward Current maximum	$T_{OIL} = 55^{\circ}C$	I_{FAVM}	480 mA
Maximum Forward Voltage Drop	$I_F = 1000mA$	V_F	37.5 Volts
Maximum Surge Current rating	8.3msec, half sine	I_{FSM}	30 Amps
Maximum Reverse Current	at rated V_{RRM}	I_R	1.0 μA
Maximum Reverse Recovery Time	$I_F=250mA, I_R= 0.5A, I_{RR}= 125mA$	T_{RR}	75 nsec
Typical Junction Capacitance	$f = 1MHz, V_R= 0 VDC$	C_J	2.5 pf
Maximum Junction Temperature	-	T_J	130°C
Storage Temperature range	-	T_{STG}	-40°C to 130°C

Mechanical Data

	Min.		Max.	
	in.	mm	in.	mm
Body length	-	-	1.8	45.8
Body height	-	-	0.35	7.8
Body depth	-	-	0.75	19.0
Lead length	0.5	12.7	-	-
Lead diameter	-	-	0.032	0.81

