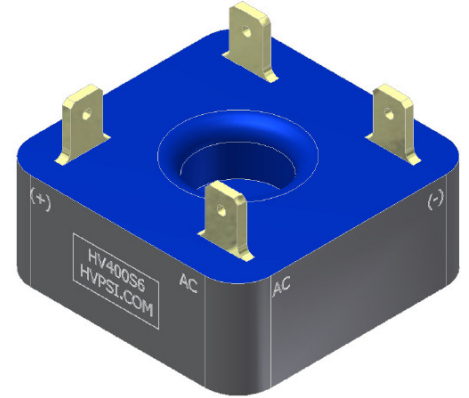




HV400-SERIES BRIDGE RECTIFIER



Effective June 1, 2012

Features:

- Controlled avalanche junctions in standard recovery types
- Recovery times of 300 nsec in fast recovery types
- Designed for high temperature operation
- High surge capability

ELECTRICAL CHARACTERISTICS AND RATINGS

ELECTRICAL CHARACTERISTICS	SYMBOL	STANDARD RECOVERY					FAST RECOVERY					UNITS
		HV400S					HV400F					
		S2	S4	S6	S8	S10	F2	F4	F6	F8	F10	
Repetitive Peak Reverse Voltage & Continuous Reverse Voltage	V_{RRM}, V_R	2	4	6	8	10	2	4	6	8	10	kV
Average Forward Current	I_O	1500	650	650	500	500	650	450	330	300	250	mA
Peak Surge Current, Non-Repetitive, 1/2 cycle, 60 Hz	I_{FSM}	20					15					A
Storage and Operating Temperatures	T_{STG}, T_J	-55 to +150					-55 to +150					°C

ELECTRICAL CHARACTERISTICS	SYMBOL	STANDARD RECOVERY					FAST RECOVERY					UNITS
		HV400S					HV400F					
		S2	S4	S6	S8	S10	F2	F4	F6	F8	F10	
Max. Instantaneous Forward Voltage, $I_F = 0.100$ Amp	V_{FM}	3.0	9.0	9.0	15.0	15.0	7.0	10.0	16.0	16.0	20.0	V
Max. Reverse Current @ V_{RRM}	I_{RM}	1.0					1.0					μA
Max. Reverse Recovery Time, $I_F = 1$ Amp, $-di/dt = 20$ A/ μsec	T_{RR}	2.5 Typ					0.300					μsec

CASE OUTLINE AND DIMENSIONS

