



**FRONTIER
ELECTRONICS CO., LTD.**

HV6X2P1

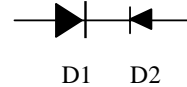
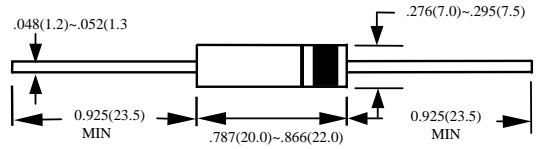
SHORT PROTECTOR FOR MICROWAVE OVEN

FEATURES

- CONTROLLED AVALANCHE CHARACTERISTIC COMBINED WITH THE ABILITY TO DISSIPATE REVERSE POWER
- PLASTIC PACKAGE HAS UNDERWRITERS LABORATORY FLAMMABILITY CLASSIFICATION 94V-0
- TYPICAL IR LESS THAN 1 μ A
- HIGH OVERLOAD SURGE CAPABILITY
- HIGH TEMPERATURE SOLDERING GUARANTEED : 260°C/10S
- .375" (9.5mm) LEAD LENGTH AT 5 LBS., (2.3KG) TENSION
- IDEAL FOR MICROWAVE OVEN APPLICATION

MECHANICAL DATA

- CASE : RELIABLE LOW COST CONSTRUCTION UTILIZING MOLDED PLASTIC TECHNIQUE
- TERMINALS : AXIAL LEADS, SOLDERABLE PER MIL-STD-202, METHOD 208
- MOUNTING POSITION : ANY
- WEIGHT : 2.8 GRAMS



CASE : HV
DIMENSIONS IN INCHES AND (MILLIMETERS)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS
RATINGS AT 25°C AMBIENT TEMPERATURE UNLESS OTHERWISE SPECIFIED
SINGLE PHASE, HALF WAVE, 60 HZ, RESISTIVE OR INDUCTIVE LOAD.
FOR CAPACITIVE LOAD, DERATE CURRENT BY 20%

RATINGS	SYMBOL	RATINGS		UNITS
		D1	D2	
MAXIMUM RECURRENT PEAK REVERSE VOLTAGE	V_{RRM}	6000	1500	V
MAXIMUM RMS VOLTAGE	V_{RMS}	4200	1050	V
MAXIMUM DC BLOCKING VOLTAGE	V_{DC}	6000	1500	V
JUNCTION TEMPERATURE	T_j	130		°C
STORAGE TEMPERATURE RANGE	T_{STG}	- 40 TO + 130		°C
OPERATING TEMPERATURE RANGE	T_{OP}	- 40 TO + 130		°C

ELECTRICAL CHARACTERISTICS (A_T T_A =25°C UNLESS OTHERWISE NOTED)

CHARACTERISTICS	SYMBOL	RATINGS		UNIT
		D1	D2	
MAXIMUM REVERSE LEAKAGE CURRENT	I_R	10 @6KV	10 @1.5KV	μ A
REVERSE AVALANCHE BREAKDOWN VOLTAGE @ I_R 100 μ A	V_Z	7 MIN	2.1-2.8	KV