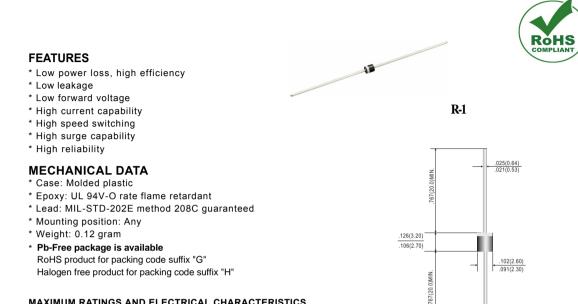


## %\$5 A D'< = < '9: : =7 =9 B7 MF97 H= =9 F!') \$'hc'%\$\$\$'Jc`hq



## 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%.

### Dimensions in inches and (millimeters)

#### MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	1H1	1H2	1H3	1H4	1H5	1H5P	1H6	1H7	1H8	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	300	400	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	210	280	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	300	400	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = $50 ^{\circ}$ C	Io	1.0								Amps	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	25								Amps	
Typical Junction Capacitance (Note 2)	CJ	20 15							pF		
Operating and Storage Temperature Range	Tj, Tstg	-55 to + 150								٥C	

### ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

CHARACTERISTICS	SYMBOL	1H1	1H2	1H3	1H4	1H5	1H5P	1H6	1H7	1H8	UNITS
Maximum Instantaneous Forward Voltage at 1.0A DC	VF	1.0			1.3		1.0	1.70			Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage TA = 25°C		5.0									uAmps
Maximum Full Load Reverse Current Average, Full Cycle .375" (9.5mm) lead length at TL = 55°C	- IR	150									uAmps
Maximum Reverse Recovery Time (Note 1)	trr	50					75			nSec	

NOTES: 1. Test Conditions: IF = 0.5A, IR = 1.0A, IRR = 0.25A

2. Measured at 1 MHz and applied reverse voltage of 4.0 volts



# %\$5AD'<; <'9:: =7=9B7MF97H; =9F!') \$"hc'%\$\$\$"Jc`hg

