

1N5391S THRU 1N5399S

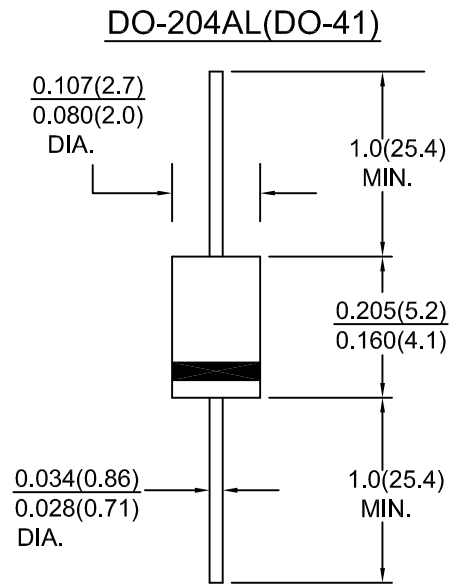
SILICON RECTIFIERS

FEATURES:

- Low cost
- High surge current capability
- Low leakage current
- Low forward voltage drop
- Diffused junction

MECHANICAL DATA

Case : Molded plastic use UL 94V-0 recognized flame retardant epoxy
 Terminals : Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
 Polarity : Color band on body denotes cathode
 Mounting Position : Any
 Weight : 0.40 gram



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	1N	1N	1N	1N	1N	1N	1N	1N	1N	Units
		5391 S	5392 S	5393 S	5394 S	5395 S	5396 S	5397 S	5398 S	5399 S	
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	300	400	500	600	800	1000	Volts
Maximum RMS voltage	V _{RMS}	35	70	140	210	280	350	420	560	700	Volts
Maximum DC blocking voltage	V _{DC}	50	100	200	300	400	500	600	800	1000	Volts
Maximum average forward rectified current at Ta=75°C	I _(AV)	1.5									Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	50.0									Amps
Maximum instantaneous forward voltage at 1.5 A	V _F	1.1	1.0							Volts	
Maximum DC reverse current at rated DC reverse voltage	I _R					5.0	50.0				μ A
Typical junction capacitance	C _j	25									pF
Operating junction and storage temperature range	T _j , T _{stg}	-65 to +125				-65 to +150					°C

RATINGS AND CHARACTERISTIC CURVES 1N5391S THRU 1N5399S

