



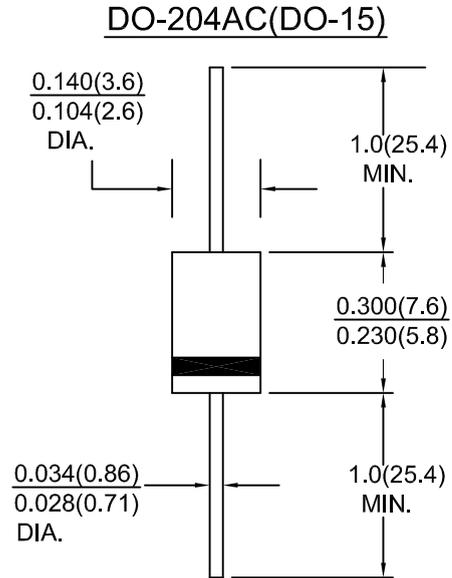
SILICON RECTIFIERS

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)

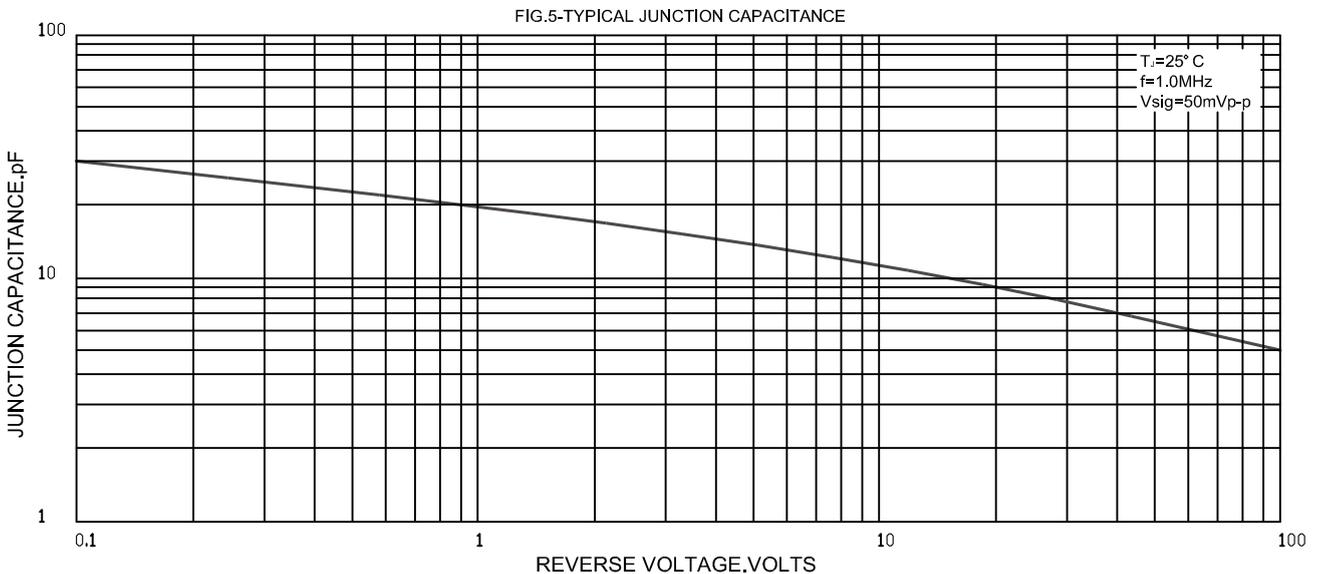
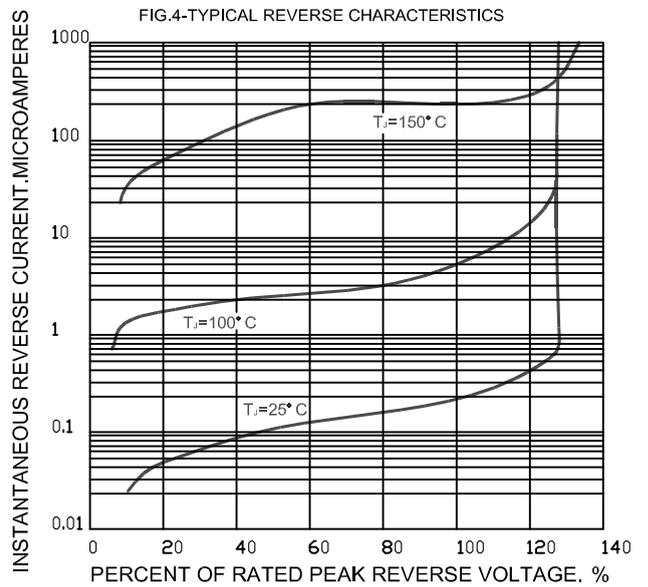
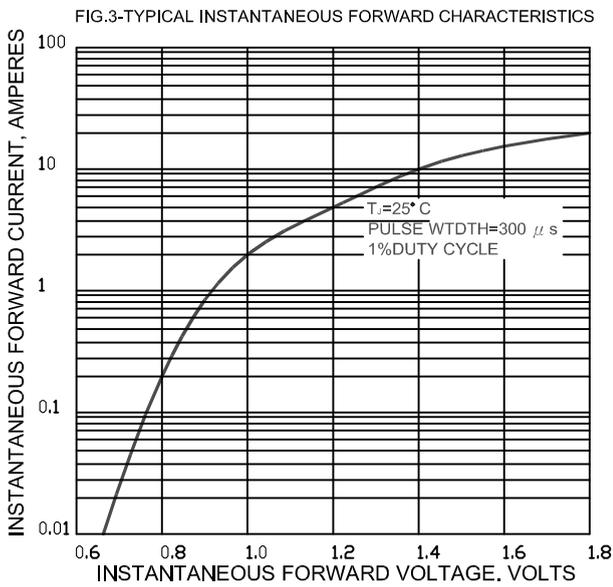
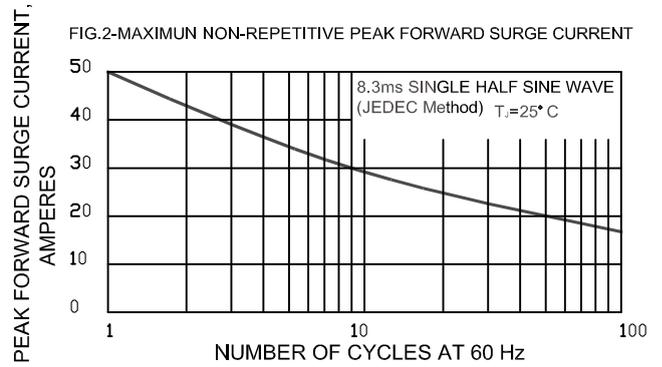
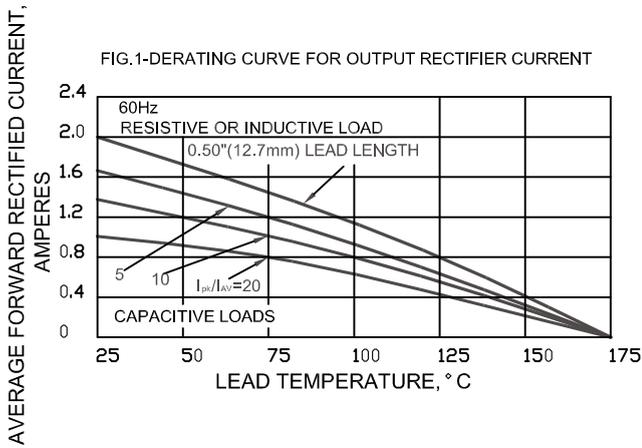
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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	5392	5393	5394	5395	5396	5397	5398	5399		
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 _O	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 Ta=25° C at rated DC reverse voltage Ta=125° C	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





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