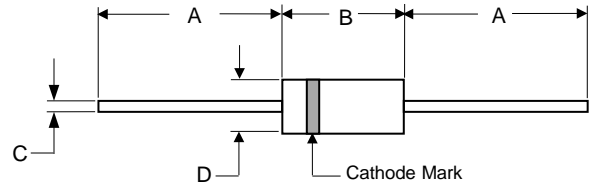


Features

- * Low forward voltage drop
- * Low power loss, high efficiency
- * Guardring for overvoltage protection
- * High surge current capability



**RoHS
COMPLIANT**



DO-201AD				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	1	---	25.4	---
B	0.283	0.378	7.2	9.6
C	0.047	0.051	1.2	1.3
D	0.189	0.209	4.8	5.3

Mechanical Data

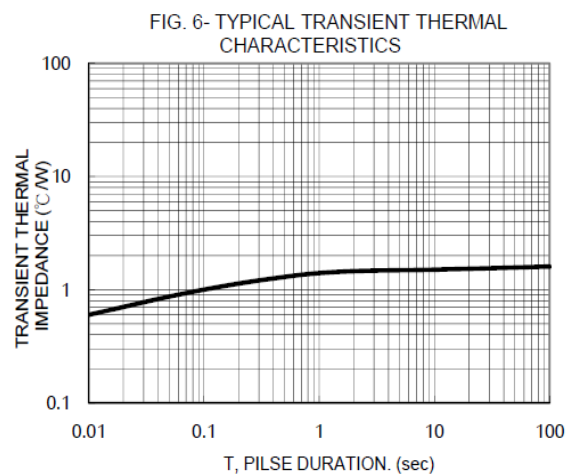
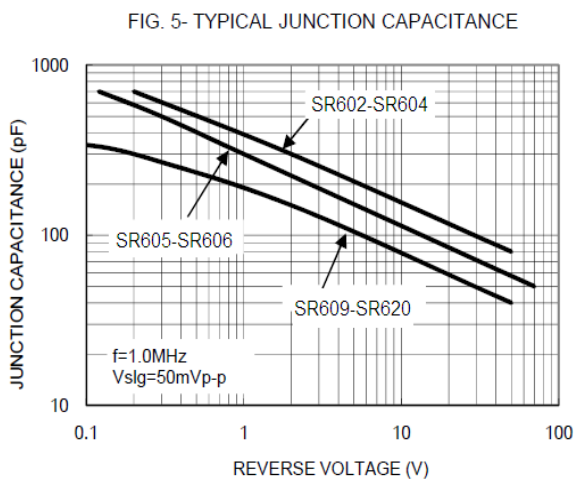
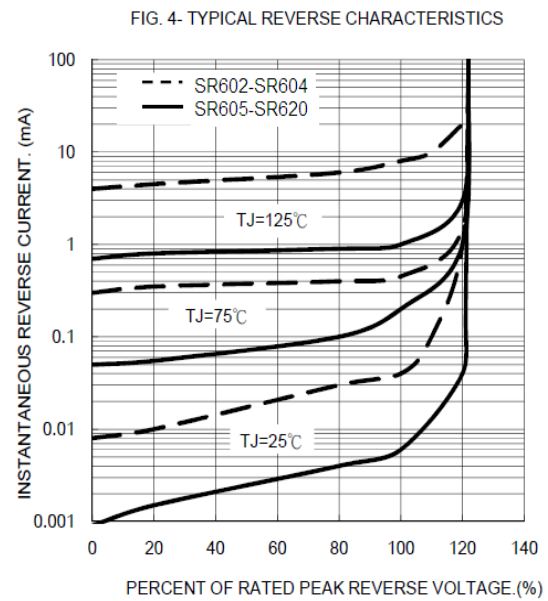
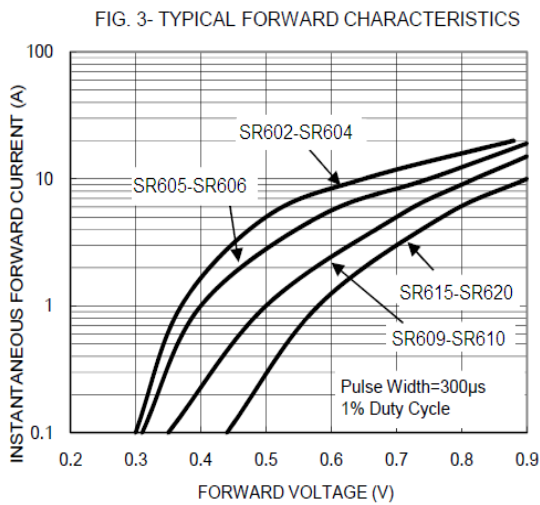
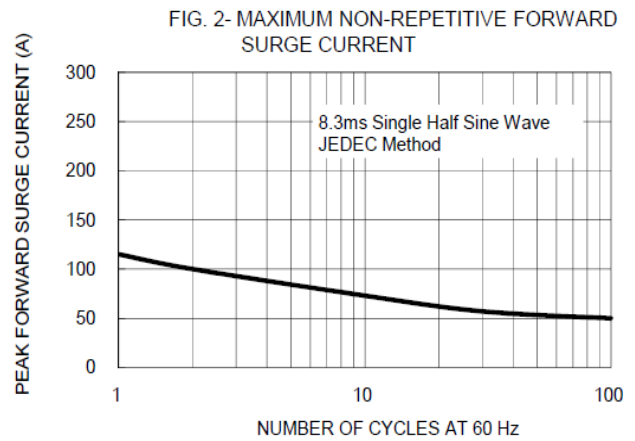
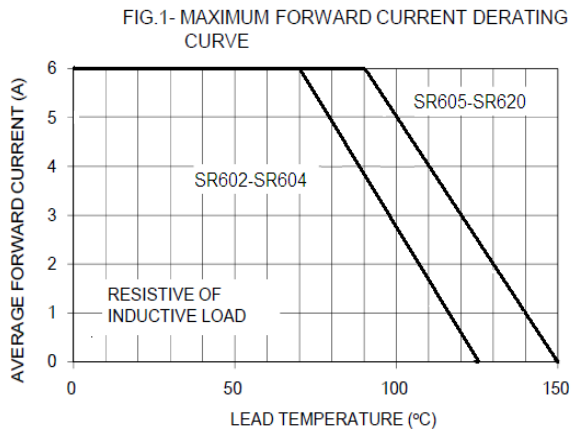
- * Case: DO-201AD
- * Molding compound, UL flammability classification rating 94V-0
- * Terminal: Matte tin plated leads, solderable per JESD22-B102
- * Weight: 1.1 g (approximately)

Maximum Ratings And Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	SR 602	SR 603	SR 604	SR 605	SR 606	SR 609	SR 610	SR 615	SR 620	UNIT
Maximum repetitive peak reverse voltage	V _{RRM}	20	30	40	50	60	90	100	150	200	V
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	63	70	105	140	V
Maximum DC blocking voltage	V _{DC}	20	30	40	50	60	90	100	150	200	V
Maximum average forward rectified current	I _{F(AV)}	6									A
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	120									A
Maximum instantaneous forward voltage (Note 1) @ 6 A	V _F	0.55			0.7		0.85		1.05		V
Maximum reverse current @ rated V _R	T _J =25 °C	0.5					0.1				mA
	T _J =100°C	15			10		-				
	T _J =125 °C	-			-		5		1		
Voltage rate of change (Rated V _R)	dV/dt	10000									V/μs
Typical thermal resistance	R _{θJC}	6									°C/W
	R _{θJA}	35									
Operating junction temperature range	T _J	- 55 to +125				- 55 to +150					°C
Storage temperature range	T _{STG}	- 55 to +150									°C

Note 1: Pulse test with PW=300 μs, 1% duty cycle

Ratings and Characteristic Curves





SR602 THRU SR620 *Schottky Barrier Rectifiers*

Ordering Information

Part No.	Package	Packing Code	Packing
SR602 THRU SR620	DO-201AD	B05	500pcs/Bulk
SR602 THRU SR620	DO-201AD	A12	1200pcs/Ammo
SR602 THRU SR620	DO-201AD	R12	1200pcs/Reel

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