

VOLTAGE RANGE: 100 - 400V

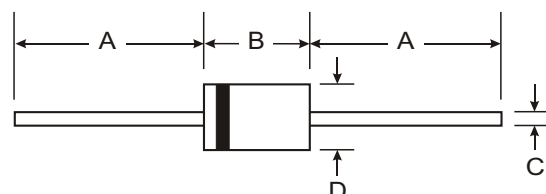
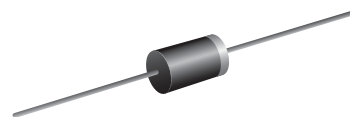
CURRENT: 1.0 A

Features

- High current capability
- High surge current capability
- High reliability
- Low reverse current
- Low forward voltage drop

Mechanical Data

- Case : DO-41 Molded plastic
- Epoxy : UL94V-O rate flame retardant
- Lead : Axial lead solderable per MIL-STD-202, Method 208 guaranteed
- Polarity : Color band denotes cathode end
- Mounting position : Any
- Weight : 0.339 gram



DO-41		
Dim	Min	Max
A	25.40	—
B	4.06	5.21
C	0.71	0.864
D	2.00	2.72
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics $T_A = 25^\circ\text{C}$ unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	1SR35-100	1SR35-200	1SR35-400	Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	200	400	V
Maximum RMS Voltage	V_{RMS}	70	140	280	V
Maximum DC Blocking Voltage	V_{DC}	100	200	400	V
Maximum Average Forward Current 0.375"(9.5mm) Lead Length $T_a = 50^\circ\text{C}$	$I_{F(AV)}$	1.0			A
Maximum Peak Forward Surge Current 8.3ms Single half sine wave Superimposed on rated load (JEDEC Method)	I_{FSM}	30			A
Maximum Forward Voltage at $I_F = 1.0\text{ A}$	V_F	1.1			V
Maximum DC Reverse Current at $V_R = V_{RRM}$	I_{RM}	10			μA
Junction Temperature Range	T_J	- 65 to + 175			$^\circ\text{C}$
Storage Temperature Range	T_{STG}	- 65 to + 175			$^\circ\text{C}$



RATING AND CHARACTERISTIC CURVES (1SR35-100 ~ 1SR35-400)

FIG.1 - DERATING CURVE FOR OUTPUT RECTIFIED CURRENT

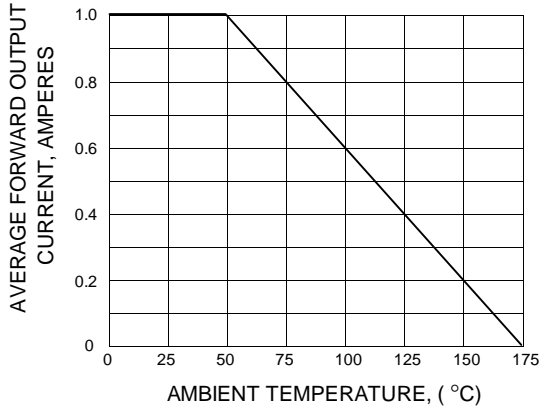


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

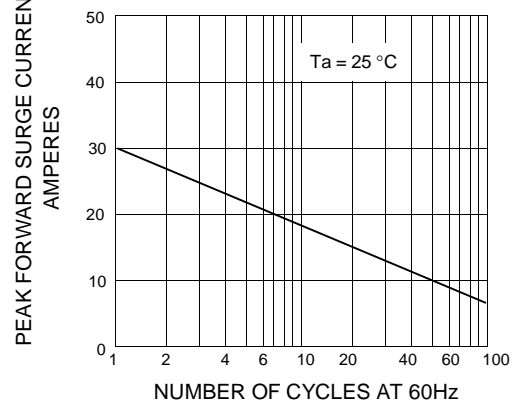


FIG.3 - TYPICAL FORWARD CHARACTERISTICS

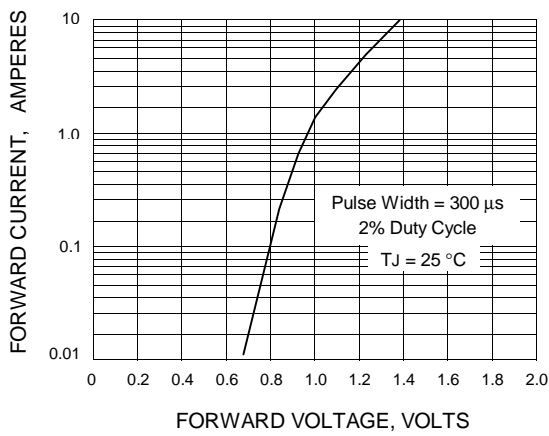


FIG.4 - TYPICAL REVERSE CHARACTERISTICS

