



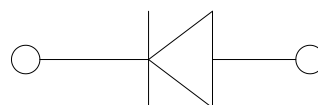
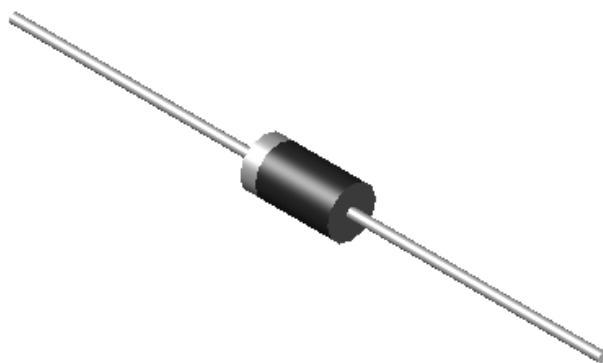
**Schottky Diodes**  
**Reverse Voltage 40V-250V**  
**Forward current-3A**

### Features

Schottky chip  
Ideal for surface mounted applications  
Low forward voltage drop, Low power loss, high efficiency  
Plastic Case Material has UL Flammability

### Mechanical Data

Package: DO-27  
Terminals: Tin Plated leads, solderable per  
Mil-STD-750 Method 2026  
Polarity: As marked  
Molding compound meets UL 94 V-0 flammability rating,  
ROHS-compliant



### Maximum Ratings (Ta=25°C Unless otherwise)

Type Number	SYMBOL	SR3200	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	200	V
Maximum RMS Voltage	$V_{RMS}$	140	V
Maximum DC Blocking Voltage	$V_{DC}$	200	V
Maximum Average Forward Rectified Current at $T_L = 100^\circ\text{C}$	$I_{O(AV)}$	3.0	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load (JEDEC Method) on rated	IFSM	60.0	A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, $T_j = 25^\circ\text{C}$		120.0	A
Current squared time @1ms ≤ t ≤ 8.3ms $T_j = 25^\circ\text{C}$ , Rating of per diode	$I^2t$	14.9	A <sup>2</sup> S
Maximum Forward Voltage at 3.0A DC	$V_{FM}$	0.92	V
Maximum Reverse Current $T_A = 25^\circ\text{C}$	IR	0.1	mA
at Rated DC Blocking Voltage $T_A = 100^\circ\text{C}$		5.0	
Typical Thermal Resistance Between junction and ambient	$R_{QJA}$	40.0	$^\circ\text{C}/\text{W}$
Operating Junction Temperature Range	$T_J$	-55 to +150	$^\circ\text{C}$
Storage Temperature Range	$T_{STG}$	-55 to +150	$^\circ\text{C}$



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

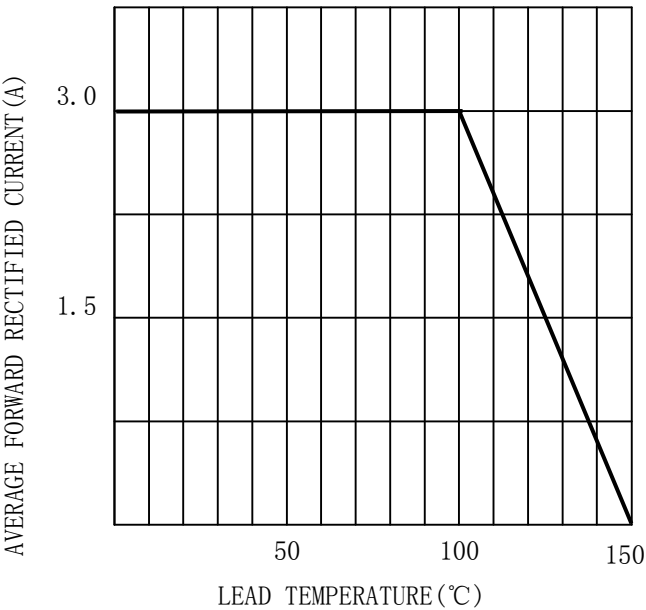


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

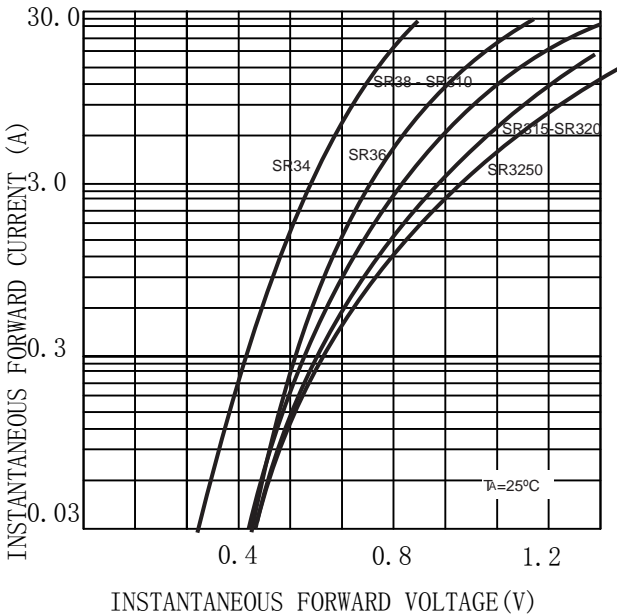


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

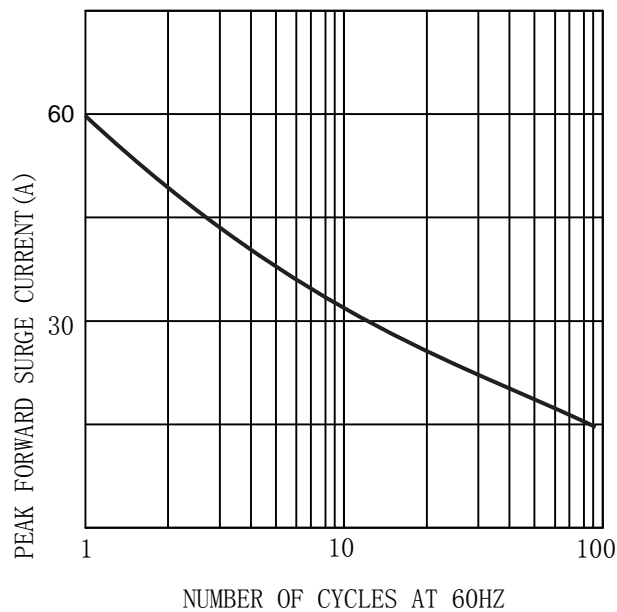
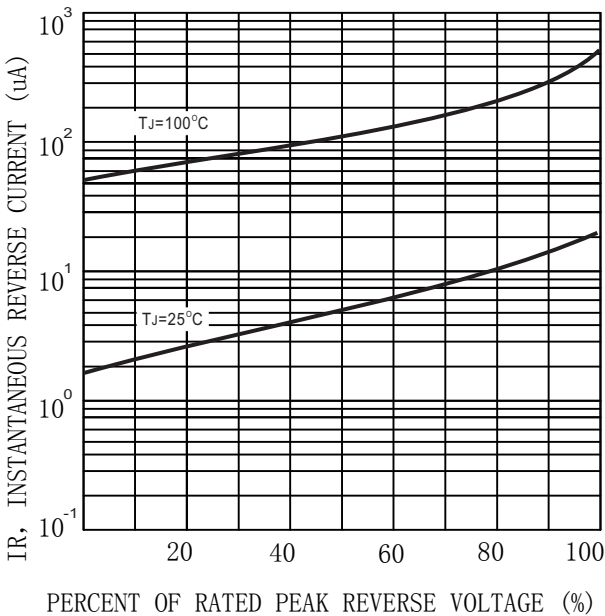



FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)





## MARKING INFORMATION



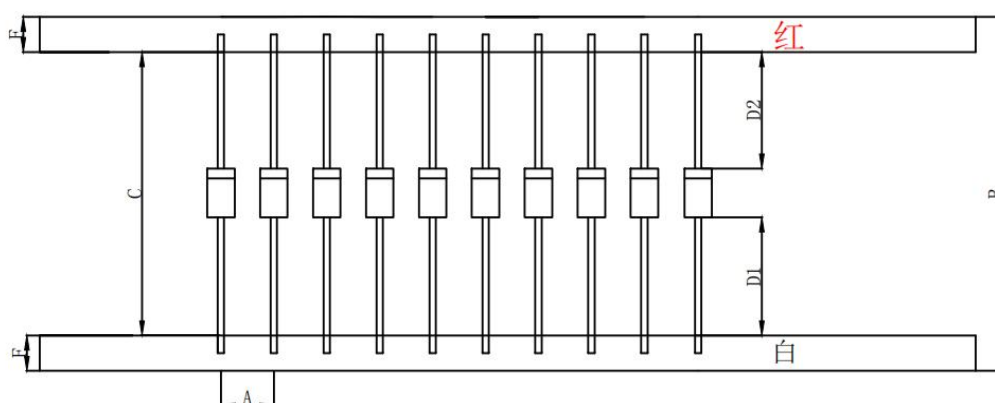
 = Logo

\*\*\*\* = Date Code Marking

SR\*\*\* = Marking Code

Print according to customer request

## PACKING REQUIRMENTS



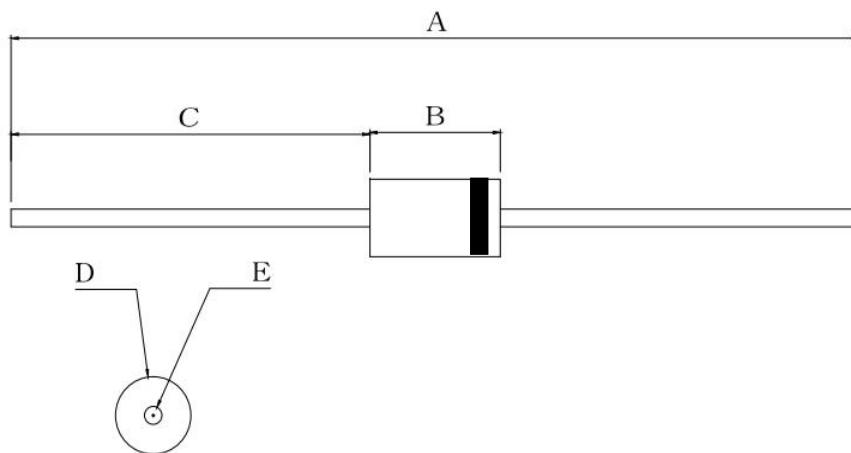
Specifcations	A	B	C	D1-D2	E
DO-27/MM	10± 0.5	65±2.5	52.4±0.5	1.0MAX	6.0±0.4

DEVICE TYPE	BOX/CAR TOON	Q'TY/CASE (pcs)
DO-27	1250	12500



## Outline Dimensions

### DO-27



DO-27				
DIM	INC HES		MM	
	MIN	MAX	MIN	MAX
A	2.23	2.35	56.70	59.70
B	0.34	0.38	8.70	9.70
C	0.94	0.98	24.00	25.00
D	0.19	0.22	4.90	5.50
E	0.04	0.05	1.10	1.30





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