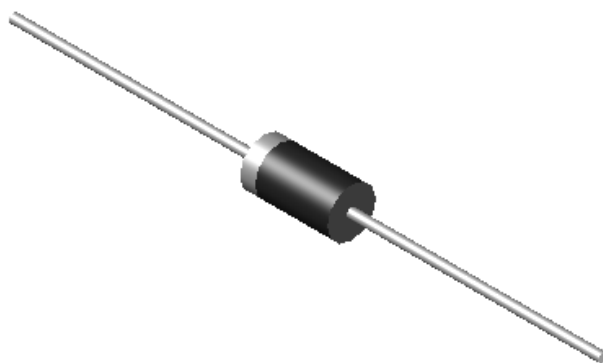




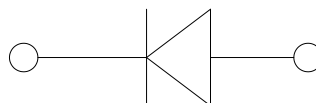
SF101 THRU SF108

### Forward current-10A

## Plastic Case Material has UL Flammability



ROHS-compliant



Type Number	SYMBOL	SF 101	SF 102	SF 103	SF 104	SF 105	SF 106	SF 107	SF 108	Umit
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	150	200	300	400	500	600	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	105	140	210	280	350	420	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	150	200	300	400	500	600	V
Maximum Average Forward Rectified Current	IO <sub>(AV)</sub>	10.0								A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	180.0								A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		360.0								A
Current squared time @1ms≤t8.3≤ms Tj=25℃, Rating of per diode	I <sup>2</sup> t	134.5								A <sup>2</sup> S
Maximum Forward Voltage at 10.0A DC	V <sub>FM</sub>	0.95				1.3		1.70		V
Maximum Reverse Current TA = 25℃	IR	5.0								uA
at Rated DC Blocking Voltage TA = 125℃		100.0								
Maximum reverse recovery time	Trr	35.0								ns
Typical Thermal Resistance Between junction and ambient	R <sub>QJa</sub>	40.0								℃/W
Operating Junction Temperature Range	T <sub>J</sub>	—55to+150								℃
Storage Temperature Range	T <sub>STG</sub>	—55to+150								℃



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

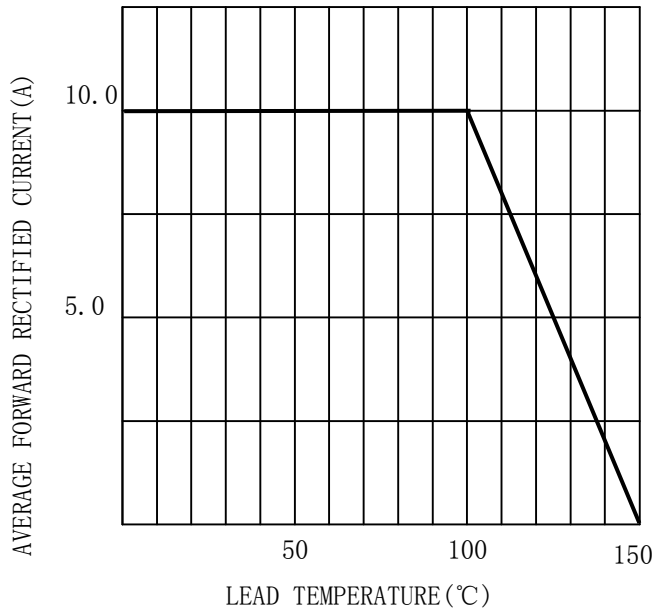


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

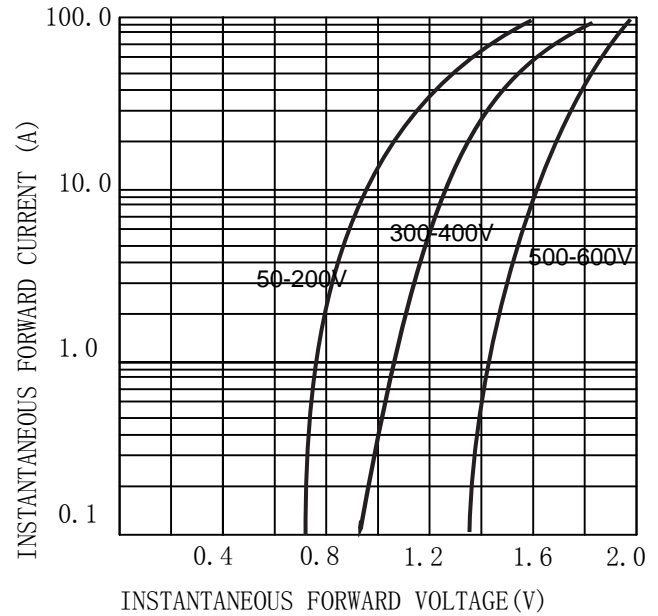


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

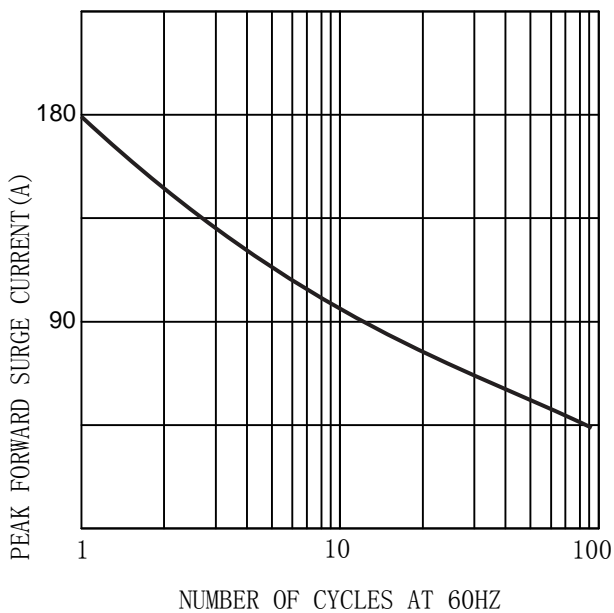
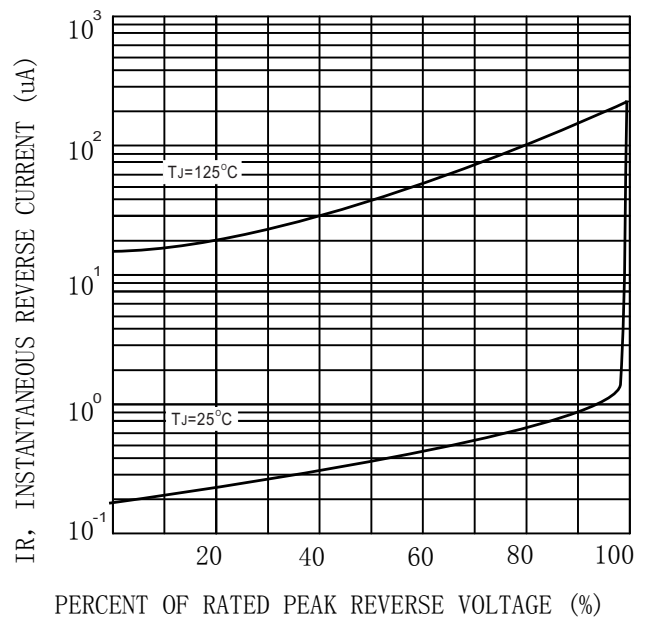


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



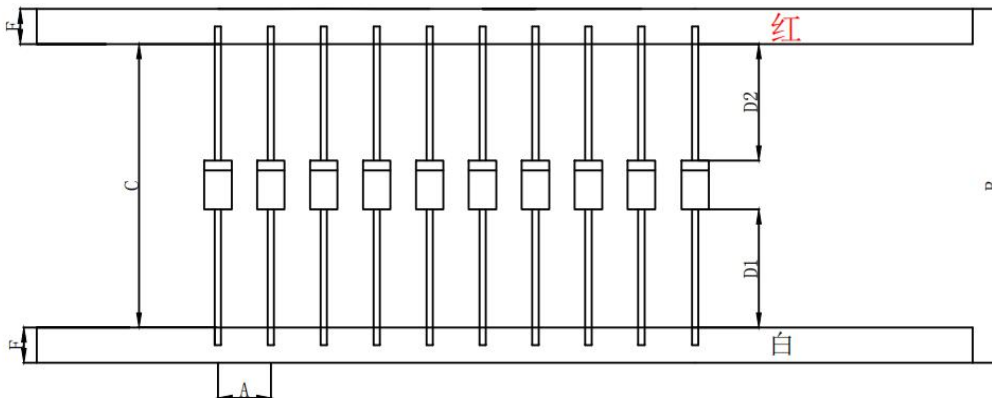


## MARKING INFORMATION



Print according to customer request

## PACKING REQUIRMENTS



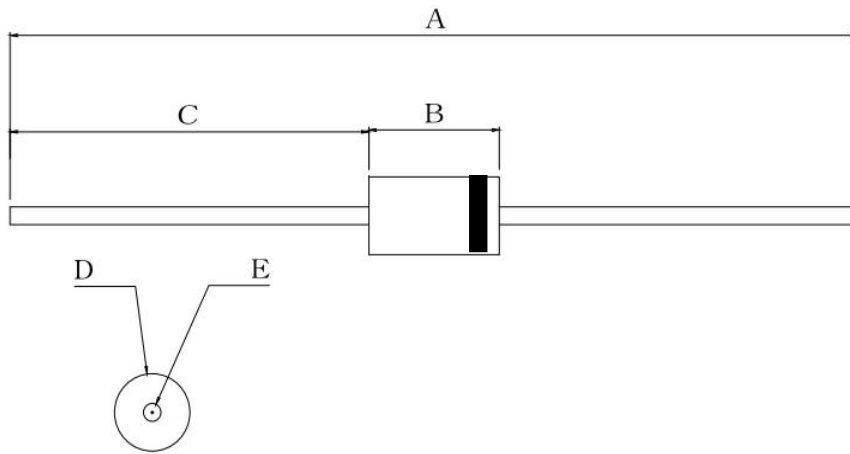
Specifcations	A	B	C	D1-D2	E
DO-27/MM	10± 0.5	65±2.5	52.4±0.5	1.0MAX	6.0±0.4

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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