

Express recovery diode Reverse Voltage50-600v Forward current-5A

Features

Glass passivated chip
High surge current capability
Ldeal for surface mounted applications
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

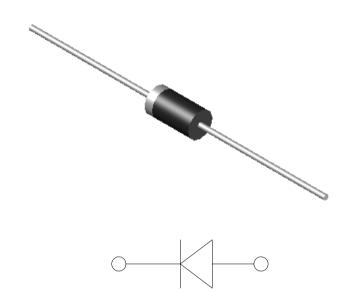
Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant



onica)		
SYMBOL	SF56	Umit
V _{RRM}	400	V
V _{RMS}	280	V
V _{DC}	400	V
IO _(AV)	5.0	А
IESM	120.0	А
II OW	240.0	А
l ² t	59.8	A ² S
V_{FM}	1.3	V
ID.	5.0	
i iR	100.0	uA
R _{QJa}	40.0	°C/W
T _J	—55to+150	$^{\circ}$
T _{STG}	—55to+150	${\mathbb C}$
	SYMBOL V _{RRM} V _{RMS} V _{DC} IO _(AV) IFSM I ² t V _{FM} IR R _{QJa} T _J	SYMBOL SF56 V _{RRM} 400 V _{RMS} 280 V _{DC} 400 IO _(AV) 5.0 120.0 120.0 IFSM 240.0 I ² t 59.8 V _{FM} 1.3 IR 100.0 R _{QJa} 40.0 T _J -55to+150





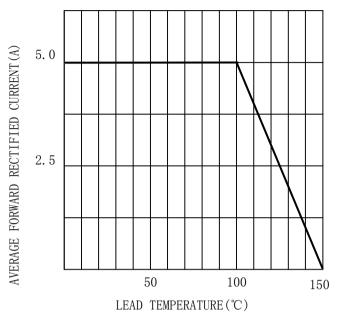


FIG. 2TYPICAL FORWARD CHARACTERISTICS

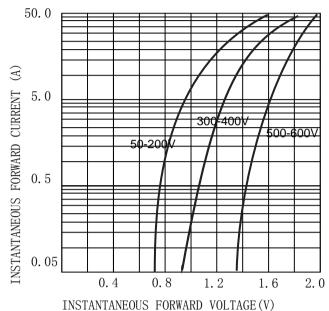


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

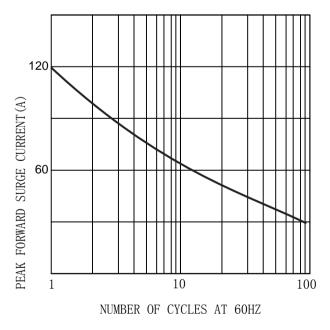
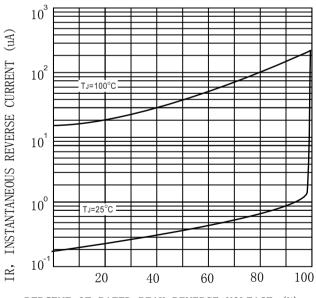


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



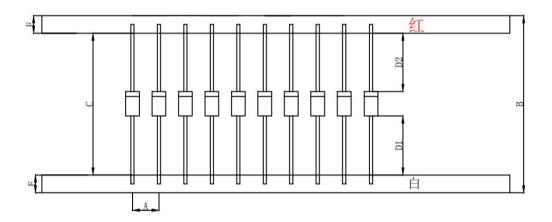
PERCENT OF RATED PEAK REVERSE VOLTAGE (%)

MARKING INFORMATION



Print according to customer request

PACKING REQUIRMENTS



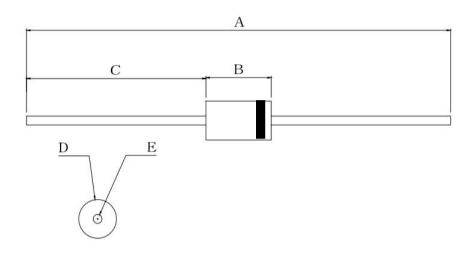
Specificati ons	Α	В	С	D1-D2	E
DO-27/MM	10± 0.5	65±2.5	52.4±0.5	1.0MAX	6.0±0.4

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



Outline Dimensions

DO-27



D0-27							
DIM	INC HES		MM				
	MIN	MAX	MIN	MAX			
A	2. 23	2.35	56. 70	59. 70			
В	0.34	0.38	8.70	9. 70			
С	0.94	0.98	24.00	25.00			
D	0.19	0.22	4.90	5. 50			
Е	0.04	0.05	1. 10	1. 30			



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