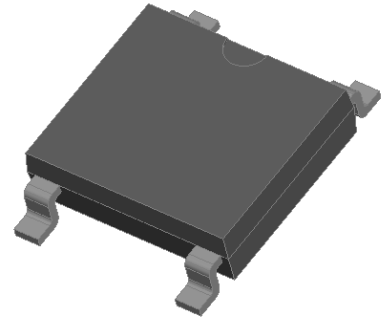




**Express recovery rectifier**  
**Reverse Voltage-600v**  
**Forward current-1A**

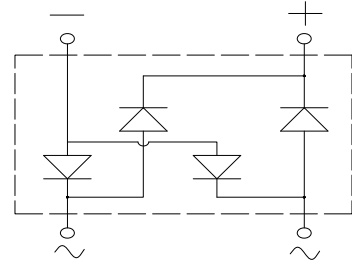
**Features**

Glass passivated chip  
High surge current capability  
Ideal for surface mounted applications  
Low power loss, high efficiency  
Plastic Case Material has UL Flammability



**Mechanical Data**

Package: ABS  
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	EABS06	Unit
Maximum Recurrent Peak Reverse Voltage	$V_{RRM}$	600	V
Maximum RMS Voltage	$V_{RMS}$	420	V
Maximum DC Blocking Voltage	$V_{DC}$	600	V
Maximum Average Forward Rectified Current	$I_{O(AV)}$	1.0	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	25.0	A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C		50.0	
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode	$I^2t$	2.6	A <sup>2</sup> S
Maximum Forward Voltage at 1.0A DC	$V_{FM}$	1.7	V
Maximum Reverse Current TA = 25°C	IR	5	uA
at Rated DC Blocking Voltage TA = 125°C		100	
Maximum reverse recovery time (IF=0.5A, IR=1.0A, Irr=0.25A)	Trr	35	ns
Typical Thermal Resistance Between junction and ambient	$R_{QJA}$	62.5	°C/W
Operating Junction Temperature Range	T <sub>J</sub>	—55to+150	°C
Storage Temperature Range	T <sub>STG</sub>	—55to+150	°C



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

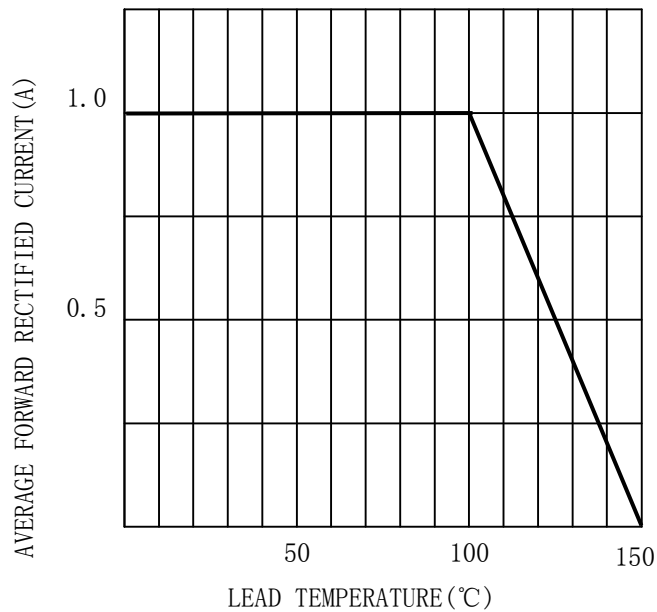


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

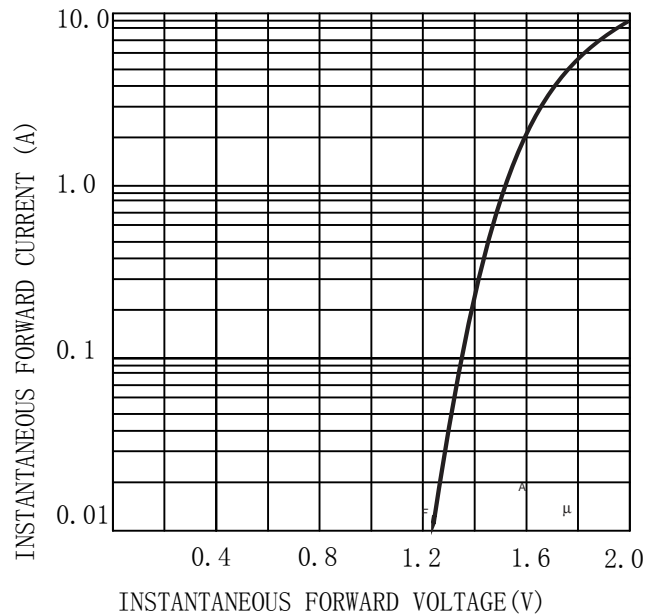


FIG. 3 MAXIMUM NON-REPEITIVE SURGE CURRENT

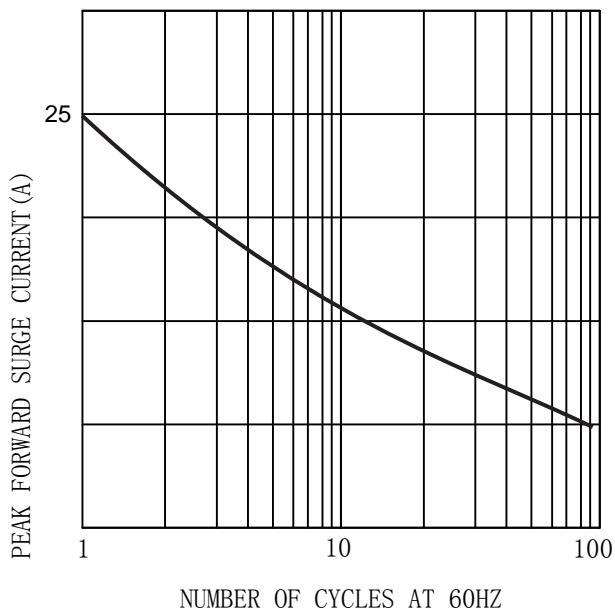
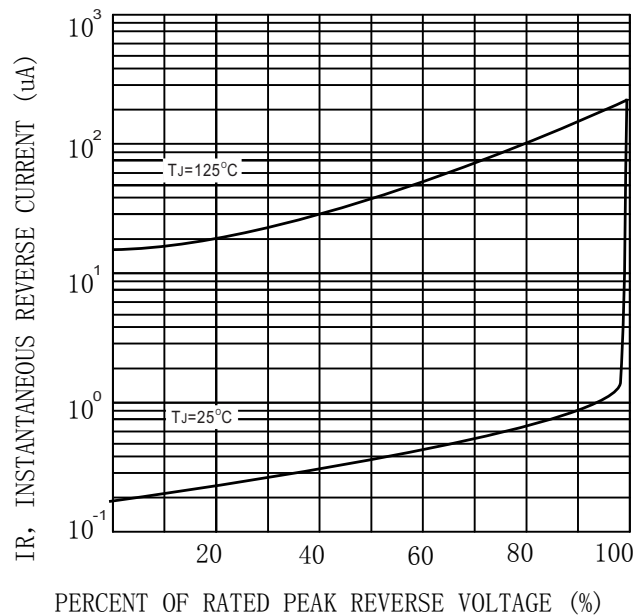


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)





## MARKING INFORMATION



= Logo

\*\*\*\*

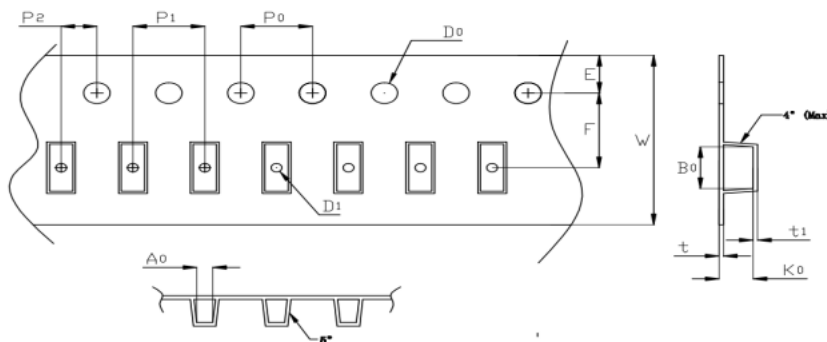
= Date Code Marking

EABS06 = Marking Code

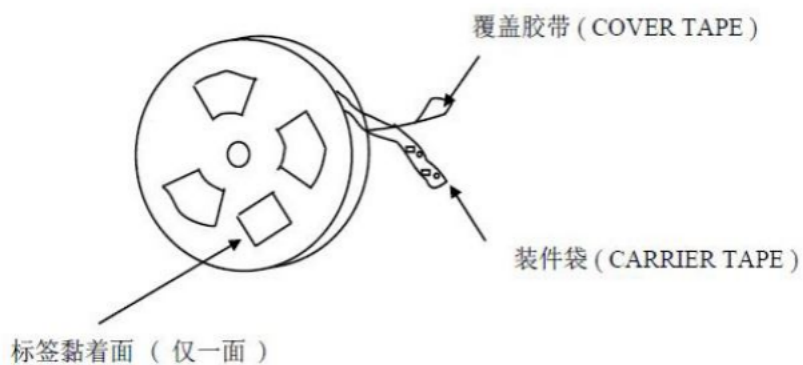
Print according to customer request

## PACKING REQUIRMENTS

- Carrier tape packing



Specifications	Carrier tape type	Ao	Bo	Ko	Po	W	t	Explain
ABS	Anti-static	5.31± 0.10	6.8± 0.10	1.59± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	

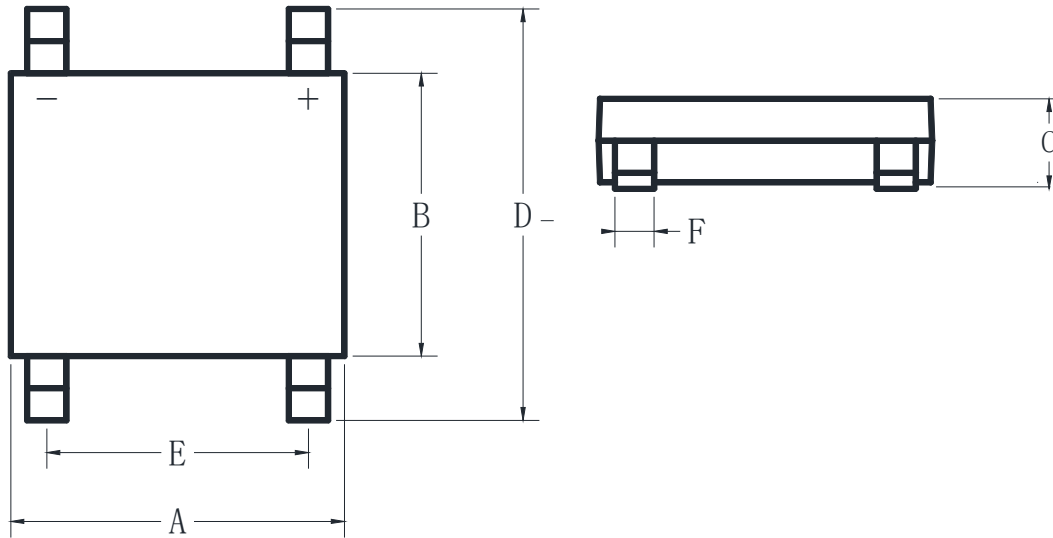


DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
ABS	12mm	5000	20	100000



## Outline Dimensions

ABS



ABS				
DIM	INC HES		MM	
	MIN	MAX	MIN	MAX
A	0.19	0.21	4.8	5.4
B	0.16	0.19	4.1	4.7
C	0.04	0.06	1.1	1.6
D	0.23	0.26	5.9	6.7
E	0.15	0.17	3.7	4.3
F	0.02	0.04	0.4	1





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