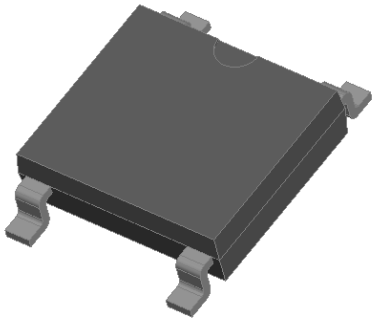
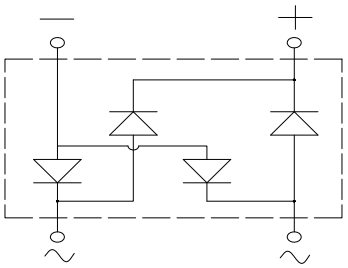
RABS210

Fast Recovery Bridge Rectifiers
Reverse Voltage-1000v
Forward current-2A



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: 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℃ Unless otherwise

Type Number	SYMBOL	RABS210	Umit
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	1000	V
Maximum RMS Voltage	V_{RMS}	700	V
Maximum DC Blocking Voltage	V_{DC}	1000	V
Maximum Average Forward Rectified Current at TL = 100 ℃	$IO_{(AV)}$	2.0	A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	50.0	A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25℃		100.0	
Current squared time @1ms≤t8.3≤ms Tj=25℃, Rating of per diode	I^2t	10.4	A^2S
Maximum Forward Voltage at 2.0A DC	V_{FM}	1.3	V
Maximum Reverse Current TA = 25℃	IR	5	uA
at Rated DC Blocking Voltage TA = 100℃		100	
Maximum reverse recovery time (IF=0.5A,IR=1.0A, Irr=0.25A)	Trr	500	ns
Typical Junction Capacitance	CJ	40	pF
Typical Thermal Resistance Between junction and	R_{QJa}	62.5	℃/W
Operating Junction Temperature Range	T_J	—55to+150	℃
Storage Temperature Range	T_{STG}	—55to+150	℃

FIG.1MAXIMUM AVERAGE FORWARD CURRENT DERATING

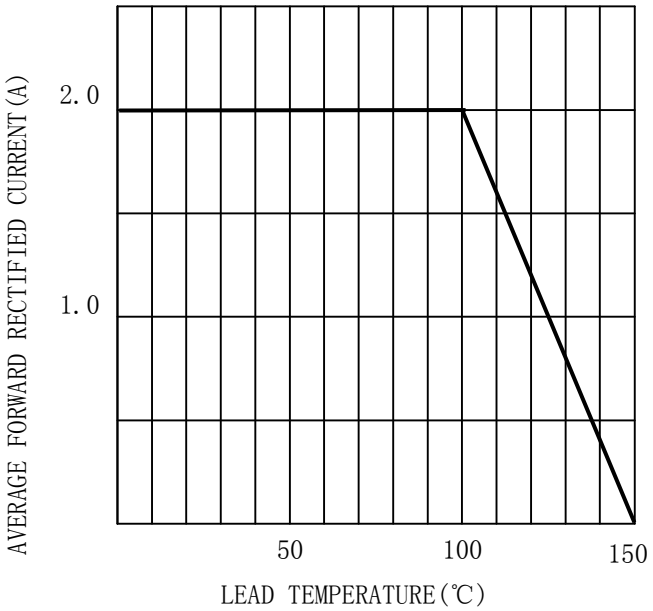


FIG.2TYPICAL FORWARD CHARACTERISTICS

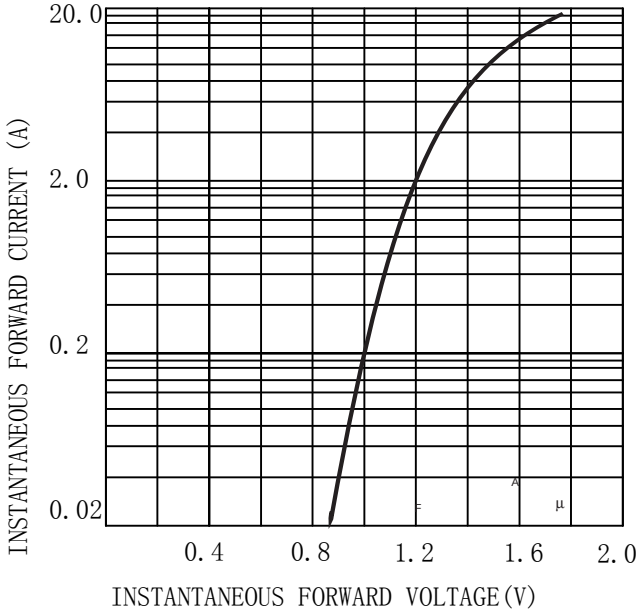


FIG.3MAXIMUM NON-REPEITIVE SURGE CURRENT

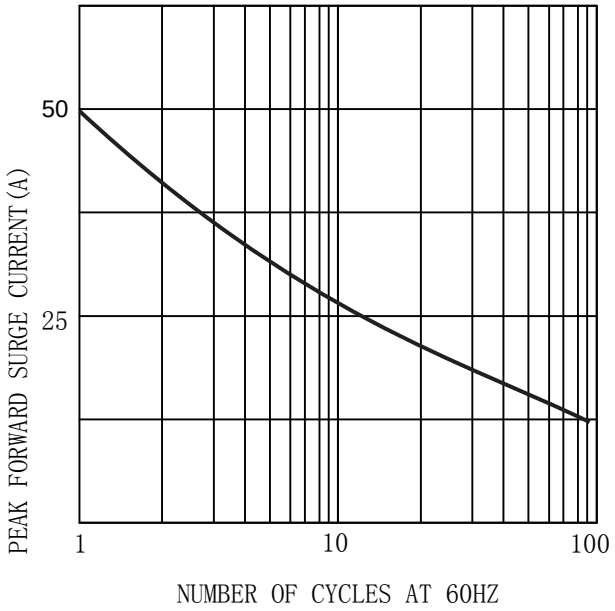
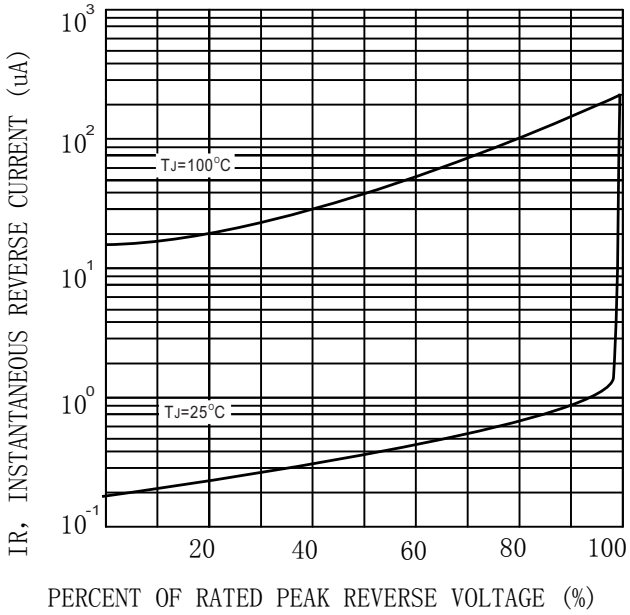


FIG. 4 TYPICAL REVERSE CHARACTERISTICS(per element)



MARKING INFORMATION

= Logo

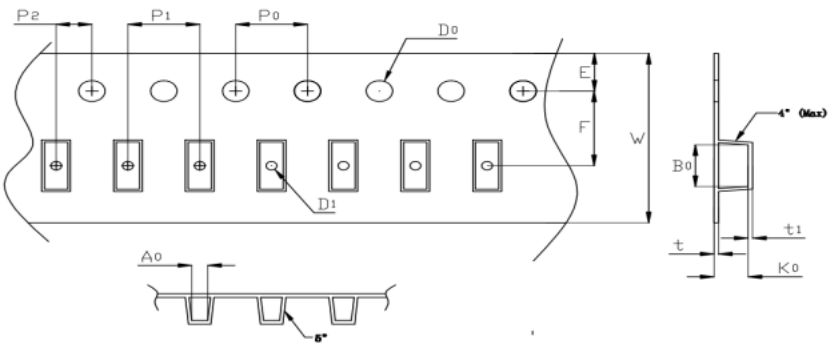
**** = Date Code Marking

ABS210 = Marking Code

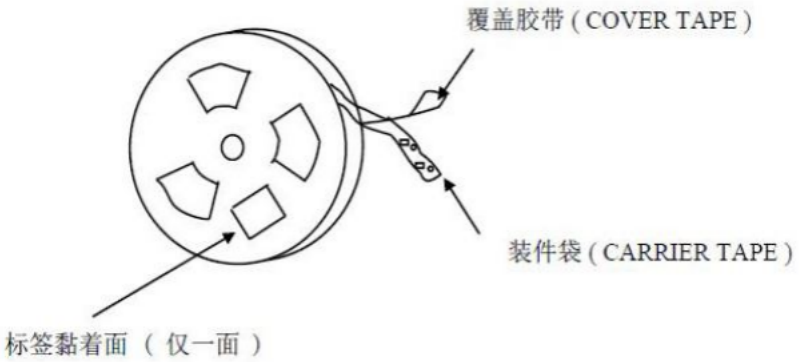
Print according to customer request

PACKING REQUIRMENTS

- Carrier tape packing



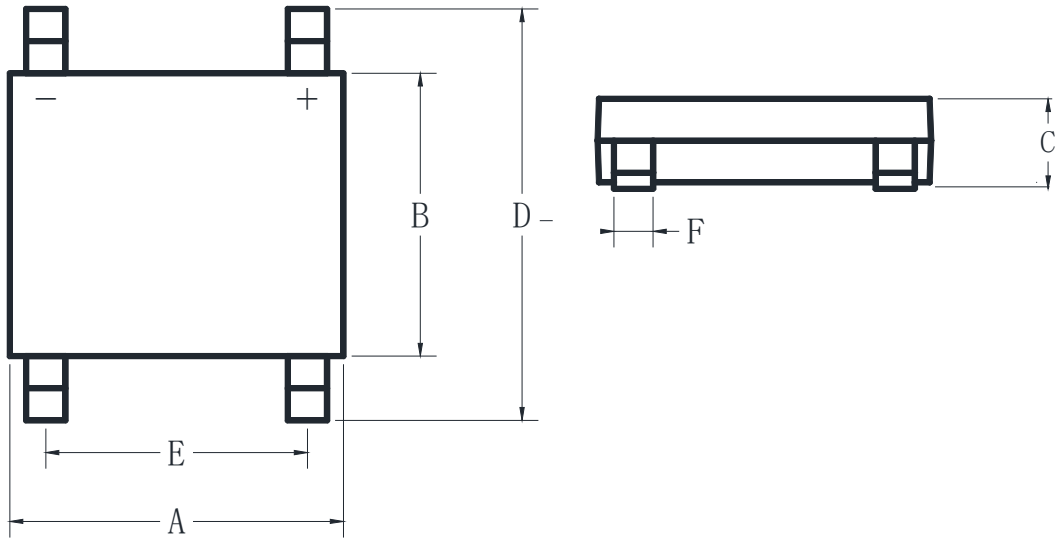
Specifications	Carrier tape type	Ao	Bo	Ko	Po	W	t	Exiplain
ABS	Anti-static	5.31± 0.10	6.8± 0.10	1.59± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	



DEVICE TYPE	Tape width	13"Reel		
		Q'TY/REEL (pcs)	BOX/CARTOON	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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