

Main Product Characteristics

$I_{F(AV)}$	2A
V_{RRM}	200~1000V
T_J	150°C
$V_{F(Typ)}$	1.1V

Features

- Glass passivated die construction.
- Low forward voltage drop.
- High current capability.
- High surge current capability.
- Design for surface mount application.
- Plastic material-UL flammability 94V-0.

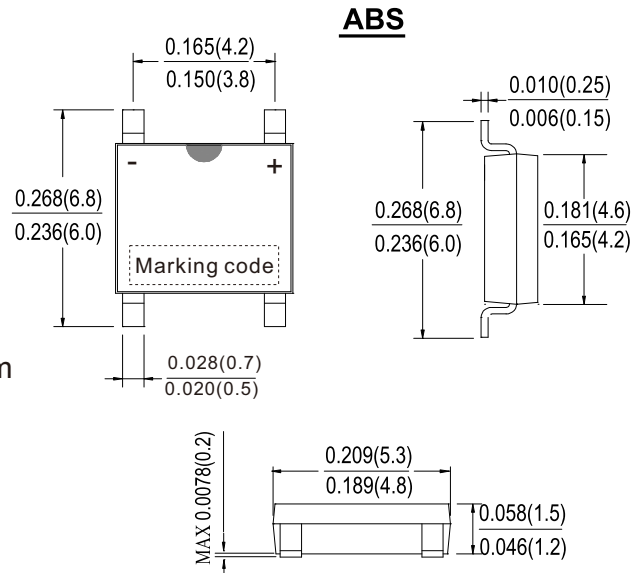
Mechanical data

- Case : SOPA-4, Molded plastic, ABS
- Terminals : plated leads solderable per MIL-STD-202, Method 208
- Polarity : as marked on case
- Mounting position: Any
- Marking: type number

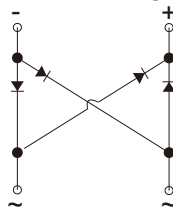
Maximum ratings and electrical characteristics

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Outline



Circuit Diagram



Dimensions in inches and (millimeters)

Parameter	Conditions	Symbol	Value	UNIT
Average rectified output current	$T_A = 50^\circ\text{C}$	I_o	2.0	A
Non-Repetitive Peak Forward surge current	8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	60	A
Peak Reverse Current At Rated DC Blocking Voltage	$T_A = 25^\circ\text{C}$	I_R	5	uA
	$T_A = 125^\circ\text{C}$		500	
Typical Thermal resistance per leg		R_{BJA}	62.5	°C/W
		R_{BJL}	25	
Operating and Storage temperature Range		T_J, T_{STG}	-55 to +150	°C

Symbol	Max. repetitive peak reverse voltage V_{RRM} (V)	Max. Working peak reverse voltage V_{RWM} (V)	Max. DC blocking voltage V_{DC} (V)	Max. RMS voltage V_{RMS} (V)	forward voltage per element @ $I_F=2.0A$ V_{FM} (V)
ABS22	200	200	200	140	1.1
ABS24	400	400	400	280	
ABS26	600	600	600	420	
ABS28	800	800	800	560	
ABS210	1000	1000	1000	700	

■ Rating and characteristic curves

FIG.1 FORWARD CURRENT DERATING CURVE

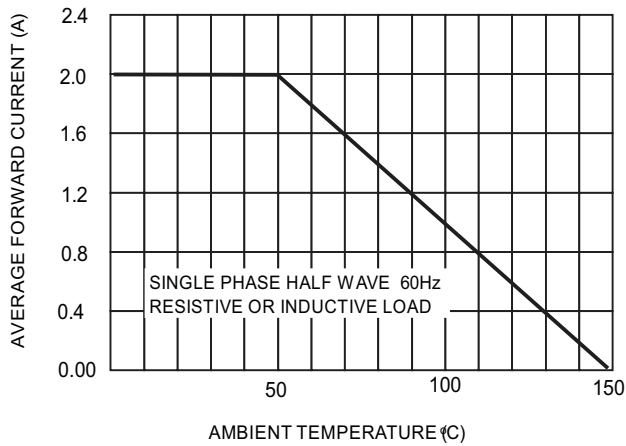


FIG.2 TYPICAL FORWARD CHARACTERISTICS

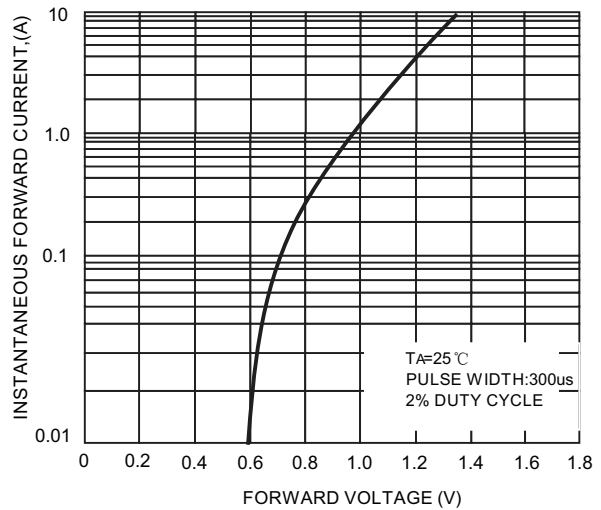


FIG.3 MAXIMUM NON-REPETITIVE SURGE CURRENT

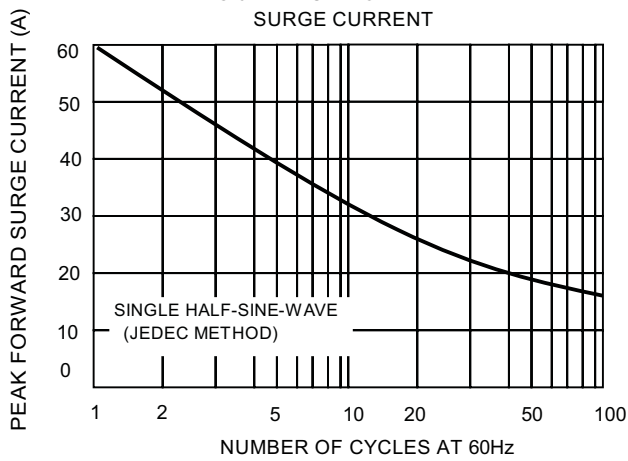
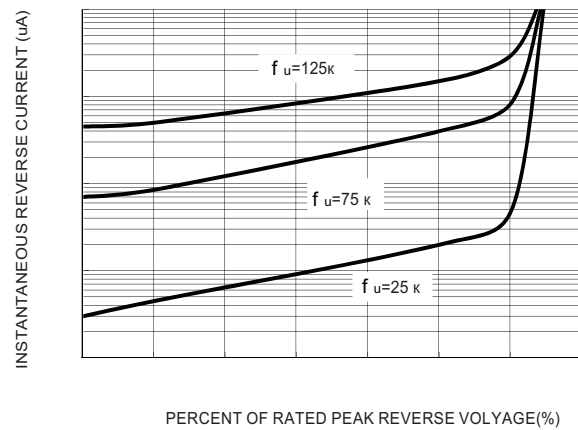
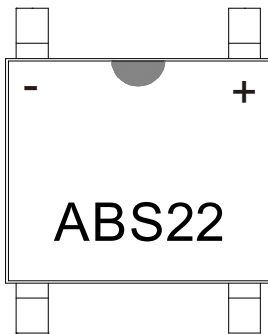


FIG. 4 TYPICAL REVERSE CHARACTERISTICS





■ Marking Information



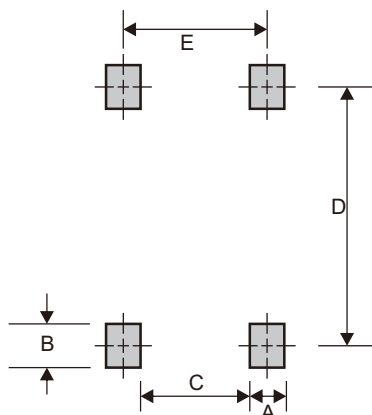
ABS22 : Product type marking code

■ Ordering/Packing information

Part number	Case	Q'TY/Reel (PCS)	Q'TY/Box (PCS)	Q'TY/Carton (PCS)	Marking code
 ABS22	ABS	4,000	8,000	40,000	ABS22
 ABS22G					ABS22H

Notes : 1. For packaging details please reference our website at <http://www.citcorp.com.tw/tchinese/products/index.php>

■ ABS foot print



A	B	C	D	E
0.035 (0.90)	0.059 (1.50)	0.125 (3.20)	0.225 (5.72)	0.161 (4.10)

Dimensions in inches and (millimeters)

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