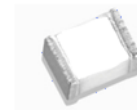




FEATURE

- Eliminates small size design EIA 4.5 h 3.2 h 2.7mm.
- Current handling capability 2,000A@8/20 s.
- Low capacitance and insertion loss.
- Fast response and long service life.
- Reliable to protect electrostatic surge.
- Moisture sensitivity level: Level 1.
- Storage and operating temperature -40~90 .



Exterior



Schematic symbol

APPLICATION INFORMATION

- Repeaters, modems.
- Telephone interface, line cards.
- Data communication equipment.
- Line test equipment.

ELECTRICAL CHARACTERISTICS

Part number	DC breakdown voltage 100V/s(V)	Tolerance of Vs	Impulse spark-over voltage 1KV/ s(V)	Impulse discharge current 8/20 s(A)	Insulation resistance		Co (1MHz)
					G	DC(V)	
J2G091N2SA	90	±30%	"700	2000	•1	50	"1pF
J2G151N2SA	150	±30%	"750	2000	•1	50	"1pF
J2G231N2SA	230	±30%	"800	2000	•1	100	"1pF
J2G301N2SA	300	±30%	"900	2000	•1	100	"1pF
J2G401N2SA	400	±30%	"1000	2000	•1	100	"1pF
J2G471N2SA	470	±30%	"1050	2000	•1	100	"1pF

1. The parameters of all tested by ITU-T K12.
2. Total Impulse discharge current 2,000A@ 8/20 s by IEC 61000-4-5, 10 shots.
3. The capacitance is tested by 1MHz@DC=0.5V.
4. The V-T waveform of DCBV and IPBV mus lie between the shades.

PARTNUMBERINGSYSTEM

J2G 091 N 2S A

(1) (2) (3) (4) (5)

(1) JieJie 2KA gas discharge tube

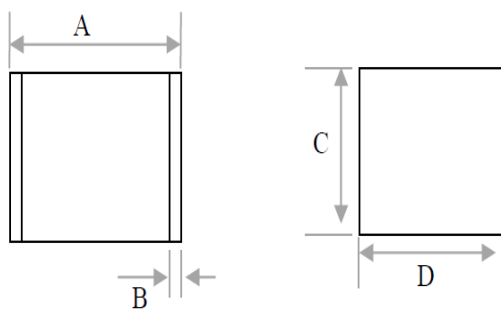
(2) DC breakdown voltage, e.g., 91=9 h 10¹=90V

(3) Tolerance is DC breakdown voltage, M=+-20%, N=+-30%

(4) 2-electrod SMD

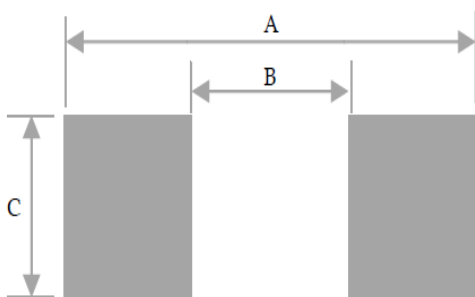
(5) Dimension in 4.5 h 3.2 h 2.7 (mm)

PRODUCTDIMENSIONS (unit: mm)



REF	mm	inch
A	4.5±0.3	0.177±0.012
B	0.5±0.2	0.020±0.008
C	2.7±0.2	0.106±0.008
D	3.2±0.2	0.126±0.008

RECOMMENDESOLDERINGPAD

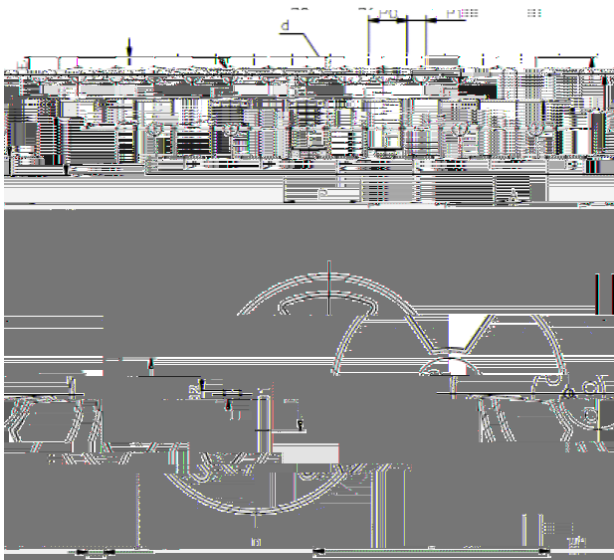


REF	mm	inch
A	5.5	0.217
B	3.5	0.138
C	3.5	0.138

REFLOW PROFILE

Reflow Condition		Pb-Free assembly (see figure at right)
Pre Heat	-Temperature Min ($T_{s(min)}$)	+150
	-Temperature Max($T_{s(max)}$)	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp (T_L)to peak)		3 /sec. Max
$T_{s(max)}$ to T_L - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature(T_L)(Liquidus)	+217
	-Temperature(t_L)	60-150 secs.
Peak Temp (T_p)		+260(+0/-5)
Time within 5 of actual Peak Temp (t_p)		~10 secs.
Ramp-down Rate		6 /sec. Max
Time 25 to Peak Temp (T_p)		8 min. Max
Do not exceed		+260

PACKAGE INFORMATION



REF	mm	inch
A	3.7±0.2	0.146±0.008
B	4.7±0.2	0.185±0.008
d	Φ1.5±0.1	Φ0.059±0.004
E	1.75±0.1	0.069±0.004
F	5.5±0.1	0.217±0.002
P	8.0±0.1	0.315±0.004
R0	0.157±0.004	0.0062±0.0001
P1	0.079±0.004	0.0031±0.0001
W	0.472±0.008	0.0186±0.0003
D1	Φ5.0Min	Φ0.197Min
D2	Φ13±0.15	0.512±0.006
W1	16.8±2.0	0.661±0.079

PACKAGING

Part No.	Reel Quantity (pcs)	Per Carton (pcs)
J2GxxxN2SA		

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