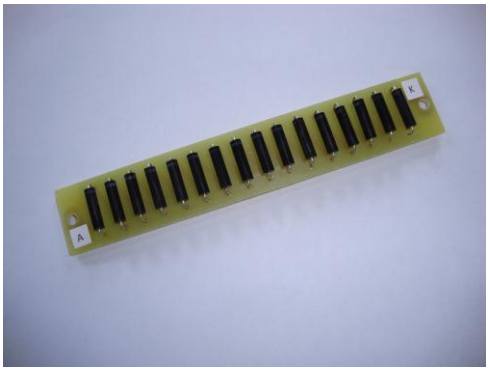
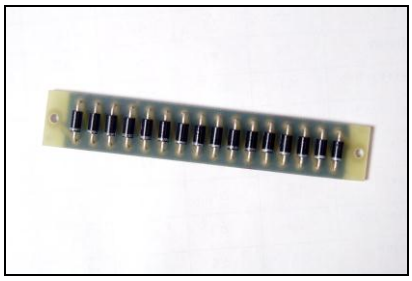
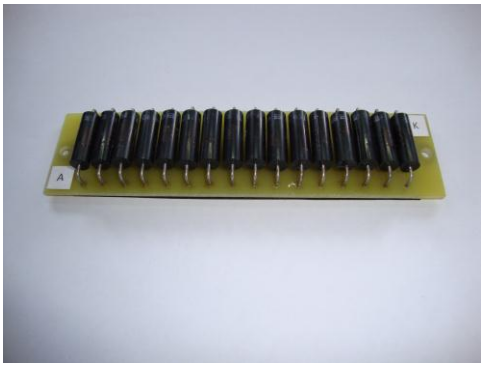






Features

- Glass epoxy PCB
- Epoxy encapsulation option
- Avalanche characteristics
- Low leakage current
- Excellent stability
- High operating temperature
- Use in oil

Applications

X-ray power supply

Advantages

Improved isolation
Easy mounting

Assembly types

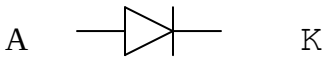
Regular -

- *RA x S2 series* 100~200kV / 200mA / Standard Recovery
- *RA x S3 series* 100~200kV / 350mA / Standard Recovery
- *RA x S5 series* 100~200kV / 500mA / Standard Recovery
- *RA x U2 series* 100~200kV / 40mA / Ultra Fast Recovery
- *RA x U5 series* 100~200kV / 100mA / Ultra Fast Recovery

Epoxy Encapsulated -

- *RAE x S2 series* 100~200kV / 200mA / Standard Recovery
- *RAE x S3 series* 100~200kV / 350mA / Standard Recovery
- *RAE x S5 series* 100~200kV / 500mA / Standard Recovery
- *RAE x U2 series* 100~200kV / 40mA / Ultra Fast Recovery
- *RAE x U5 series* 100~200kV / 100mA / Ultra Fast Recovery

Circuit configuration



Electrical characteristics

Regular type

Part #	VRRM KV	VTRM kV	IFAV mA	VF V	IR uA	IFSM A	trr ns	Size Figure
RA100S2	100	125	200	160	2	20	-	1
RA125S2	125	150	200	192	2	20	-	1
RA150S2	150	175	200	208	2	20	-	1
RA175S2	175	200	200	256	2	20	-	1
RA200S2	200	225	200	256	2	20	-	1
RA100S3	100	125	350	160	5	30	-	1
RA125S3	125	150	350	192	5	30	-	1
RA150S3	150	175	350	208	5	30	-	1
RA175S3	175	200	350	256	5	30	-	1
RA200S3	200	225	350	256	5	30	-	1
RA100S5	100	125	500	160	5	40	-	2
RA125S5	125	150	500	192	5	40	-	2
RA150S5	150	175	500	208	5	40	-	2
RA175S5	175	200	500	256	5	40	-	2
RA200S5	200	225	500	256	5	40	-	2
RA100U2	100	125	40	260	2	20	100	1
RA125U2	125	150	40	312	2	20	100	1
RA150U2	150	175	40	338	2	20	100	1
RA175U2	175	200	40	416	2	20	100	1
RA200U2	200	225	40	416	2	20	100	1
RA100U5	100	125	100	240	5	40	100	2
RA125U5	125	150	100	288	5	40	100	2
RA150U5	150	175	100	312	5	40	100	2
RA175U5	175	200	100	384	5	40	100	2
RA200U5	200	225	100	384	5	40	100	2

Epoxy Encapsulated type

Part #	VRRM kV	VTRM kV	IFAV mA	VF V	IR uA	IFSM A	trr ns	Size Figure
RAE100S2	100	125	200	160	2	20	-	3
RAE125S2	125	150	200	192	2	20	-	3
RAE150S2	150	175	200	208	2	20	-	3
RAE175S2	175	200	200	256	2	20	-	3
RAE200S2	200	225	200	256	2	20	-	3
RAE100S3	100	125	350	160	5	30	-	3
RAE125S3	125	150	350	192	5	30	-	3
RAE150S3	150	175	350	208	5	30	-	3
RAE175S3	175	200	350	256	5	30	-	3
RAE200S3	200	225	350	256	5	30	-	3
RAE100S5	100	125	500	160	5	40	-	4
RAE125S5	125	150	500	192	5	40	-	4
RAE150S5	150	175	500	208	5	40	-	4
RAE175S5	175	200	500	256	5	40	-	4
RAE200S5	200	225	500	256	5	40	-	4
RAE100U2	100	125	40	260	2	20	100	3
RAE125U2	125	150	40	312	2	20	100	3
RAE150U2	150	175	40	338	2	20	100	3
RAE175U2	175	200	40	416	2	20	100	3
RAE200U2	200	225	40	416	2	20	100	3
RAE100U5	100	125	100	240	5	40	100	4
RAE125U5	125	150	100	288	5	40	100	4
RAE150U5	150	175	100	312	5	40	100	4
RAE175U5	175	200	100	384	5	40	100	4
RAE200U5	200	225	100	384	5	40	100	4

Technical note

The operating reliability of high voltage rectifier assembly is mainly influenced by the safe margin between the specified limit values and the operating data.

Symbols and Definitions

VRRM - Maximum repetitive peak reverse voltage
VTRM - Maximum test peak reverse voltage
IFAV - Maximum average forward current
VF - Maximum forward voltage drop(for power loss calculations only)
IR - Maximum reverse leakage current
IFSM - Maximum peak one cycle surge forward current
trr - Maximum reverse recovery time

Package outline

Figure 1 / Figure 2

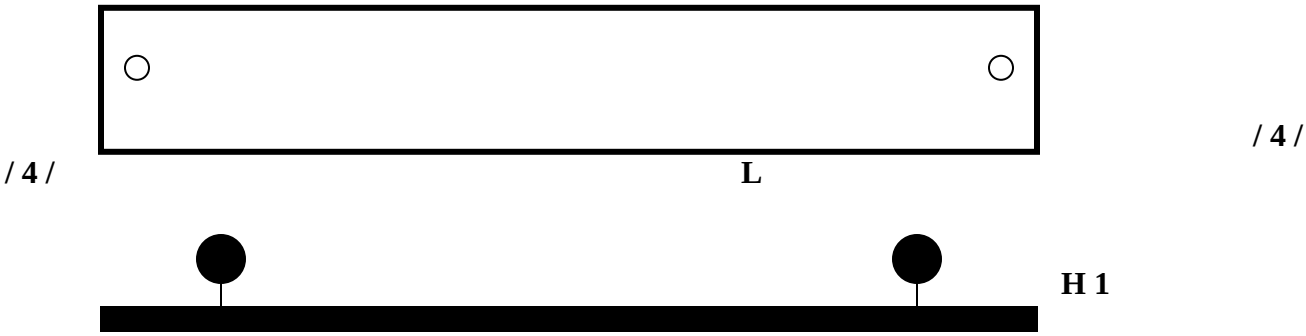


Figure 3 / Figure 4

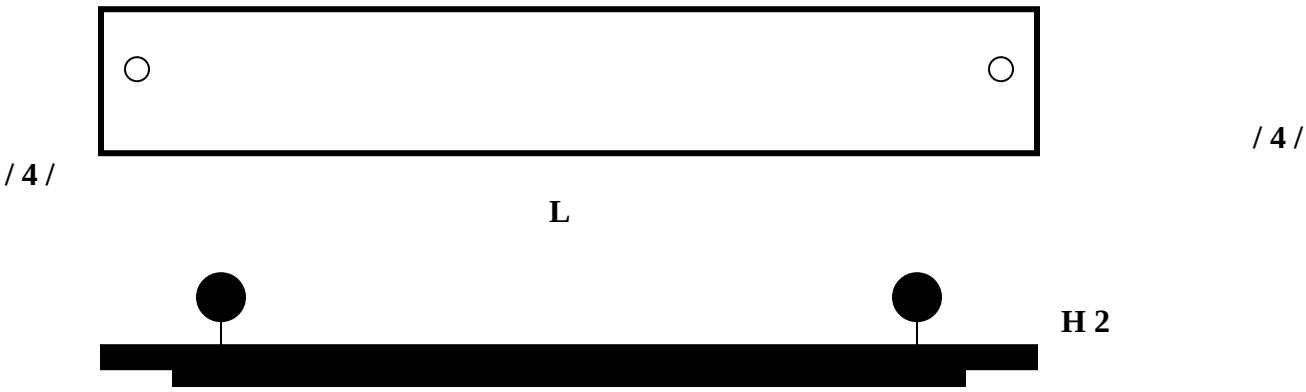


Figure	L mm	W 1 mm	H 1 mm	W 2 mm	H 2 mm	Hole mm
1	150	26	10	-	-	4
2	150	38	13	-	-	4
3	150	-	-	28	11	4
4	150	-	-	40	14	4