Si-E 1750_775-4



High voltage rectifiers

Si-E 1750_775-4

Forward Current: 4 A

Reverse Voltage: to 4800 V

Features

- · Simple mounting
- Epoxy material has UL classification 94V-0
- Use in oil
- Stardard packing : bulk

Typical Applications

- X-ray equipment
- Electrostatic dust precipitators
- Lasers
- HV welding
- HV test equipment
- Wood dry equipment
- Plasma equipment
- HV power supply

Mechanical Data

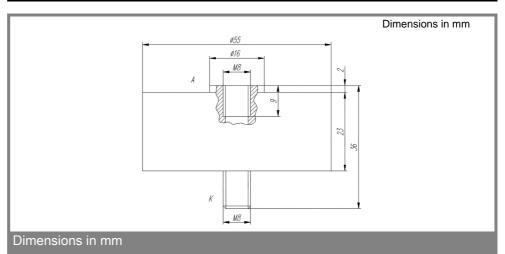
Epoxy potting

Weight approx. : 110g

Plastic case : Φ55x36 (mm)

| Туре | Repetitive peak | Alternate | Rated DC | Max. |
|-----------------|-----------------|---------------|----------|-----------------------|
| | reverse voltage | input voltage | voltage | forward |
| | | | | voltage |
| | V_{RRM} | V_{VRMS} | V_{RD} | V_{F} |
| | V | V | V | V |
| Si-E 1750/775-4 | 4800 | 1750 | 775 | 4 at I _{FAV} |

| Absolute Maximum Ratings T _c =25°C unless otherwise specified | | | | |
|---|---|------------------|-------|--|
| Symbol | Conditions | Values | Units | |
| I _{FAV} | Max. averaged fwd. current, R-load, T _A = 45 °C | 4 | Α | |
| I _{FSM} | Surge forw. current 50 Hz half sin-wave, T _A = 45°C | 200 | Α | |
| I² _t | Rating for fusing, t< 10 ms | 200 | A²s | |
| I _R | Maximum reverse current, T _J =25 °C, V _R =V _{RRM} | 10 | μA | |
| I _R | Maximum reverse current, T _J =150 °C, V _R =V _{RRM} | 1 | mA | |
| T _j | Operating junction temperature | -40 + 150 | °C | |
| T _s | Storage temperature | -40 + 150 | °C | |



Si-E 1750_775-4

2 10-04-2006 SCT © by SEMIKRON