

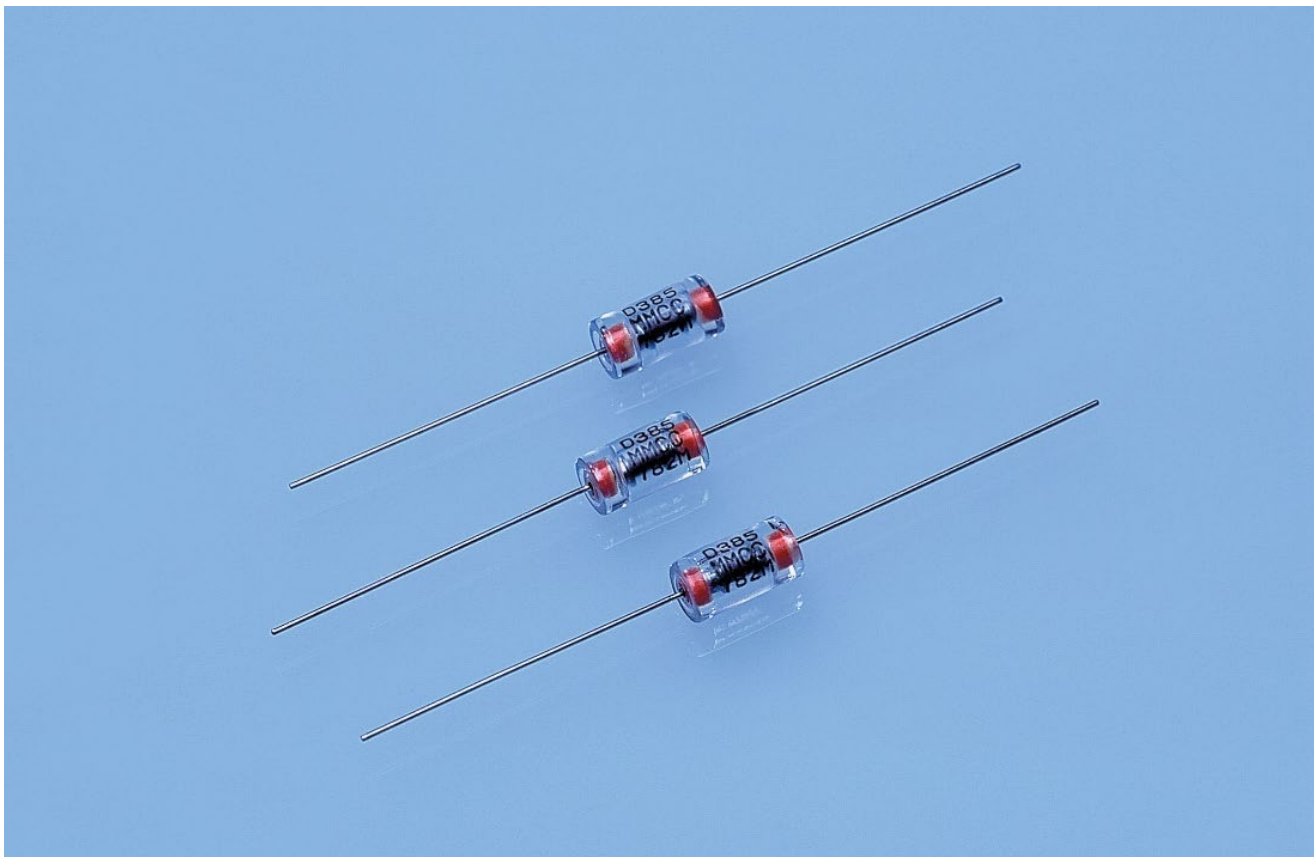
Newly Developed Surge Absorbers Which Protects All Major Standards of xEV Quick Chargers from Lightning

Mitsubishi Materials Corporation has expanded our lineup to support next-generation high-power quick chargers for xEVs with our DA53 series of surge absorbers which protect circuits from lightning damage.

Countries throughout the world have been able to reduce greenhouse gas emissions like CO₂ and it is imperative that chargers can charge xEVs more quickly than previous versions in various countries with different standards throughout the world. It is also extremely important to take countermeasures against abnormal surges and possible lightning damage to protect the chargers so they can operate stably.

In 1998 we developed our groundbreaking DA53 series surge absorbers to protect equipment from lightning surges and it has been very well received for OBCs (On-Board Chargers) and for normal chargers. For the upcoming higher voltage xEV charging market, we've developed 1000V (DA53-102M) and 1500V (DA53-152M) versions of our surge absorber. With this expanded voltage range our DA53 series is compatible with all major charging standards (CHAdeMO, GBT, CCS, Supercharger) to meet our customers' requirements.

We are an industry leader in contributing to a sustainable society by meeting the Mitsubishi Materials Corporation corporate philosophy of "For People, Society and the Earth." We will continue to contribute to the construction of a prosperous society by being your one supplier of optimal solutions which meet your needs.



DA53 Picture

- * An OBC (On-Board Charger) is a high-voltage battery charging system used in an EV.
- * A normal charger charges an EV vehicle using a single-phase 120VAC or 240VAC outlet.
- * A quick charger uses three-phase 240V to charge an EV vehicle with a DC output of 150 to 450Volts which can charge an EV more quickly than a normal charger

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