

Cost-Down via Technology

Quality • Reliability

Application Note : Surge Protective Device

SRM resistor utilizes special conductive film that enhances anti-surge capability and absorbs harmful surge, MELF packaging is capable of high power handing & SMD-enabled alternative to axial wirewound resistor, it could be reflow or wave soldered. Besides, SRM resistor can reduce THD (total harmonic distortion) and improve frequency response, it really enhances your product reliability.



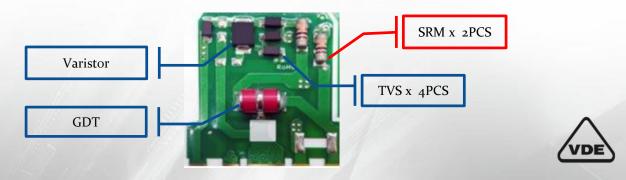
★ SRM Resistor passed VDE0860 safety test equivalent to EN60065 under license number 40043961.

Compared with axial wire-wound resistor, SRM resistor will be the best solution for Surge Protective Device (SPD).

The other advantages of SRM resistor :

		SRM	Axial Wire-Wound
Mechanical	SMT soldering	Yes	No
	Mechanical intensity	Excellent	Fair
	Anti-vibration	Excellent	Fair
	Thermal dissipation	Excellent	Fair
Electronic	Power density	High	Fair
	Cost/Performance	Excellent	Fair
	Inductance	Low	High

Example : The following basic circuit illustrates standard configurations for Surge Protective Device (SPD) used in protection circuits for the telecommunication's sector.



FIRST RESISTOR & CONDENSER CO., LTD. 9F, No. 233, Sec. 4, Sinyi Rd., Taipei 106, Taiwan Telephone: +886-2-27051878 Fax: +886-2-27036701 Email: QR@Firstohm.com.tw http://www.Firstohm.com.tw