

## Surge-protective Devices - Component

**COMPANY**

**Semiware Electronics (Shanghai) Co Ltd**

Building 1  
 No. 9222, Chuannan Fenggong Road  
 Fengxian District  
 Shanghai, 201112 China

E543128

Cat. No.	SPD Type	Volts (V)	AC/DC/ DC PV	PH	AMPS (A)	AMB		MODE	VPR (Vpk)	MLV (Vpk)	MCOV (V)	Vn (Vdc)	in (kA)	SCCR (kA)	Notes
						Min (°C)	Max (°C)								
<b>SG2R05B1000-</b>	5	275	AC	1	N/A	-40	125	Ld-Ld	-	1670	275	N/A	3	N/A	1,3
<b>SG2R05B2000-</b>	5	500	AC	1	N/A	-40	125	Ld-Ld	-	2520	500	N/A	3	N/A	1,3
<b>SG2R05B3600-</b>	5	500	AC	1	N/A	-40	125	Ld-Ld	-	3940	500	N/A	3	N/A	1,3
<b>SG2R08B090-</b>	5	24	AC	1	N/A	-40	125	Ld-Ld	-	790	24	N/A	10	N/A	1,3
<b>SG2R08B600-</b>	5	275	AC	1	N/A	-40	125	Ld-Ld	-	1200	275	N/A	10	N/A	1,3
<b>SG3R08B090-</b>	5	24	AC	1	N/A	-40	125	Ld-Ld	-	710	24	N/A	10	N/A	1,3
<b>SG3R08B230-</b>	5	90	AC	1	N/A	-40	125	Ld-Ld	-	460	90	N/A	10	N/A	1,3


**Notes:**

1. Suitable for Factory wiring only.
2. Suitable for Field and Factory wiring.
3. Series External Impedance required, see Electrical Ratings in the Recognition report.
4. Series External Overcurrent Protection required, see Electrical Ratings in the Recognition report.
5. Body of discrete component metal-oxide varistors (MOVs) flammability:
  - a) Min. V-0 or VTM-0.
  - b) Min. V-1 or VTM-1.
  - c) Complies with IEC 60950-1, Edition 2.2, Annex Q/IEC62368-1 Annex G.8.2 needle flame testing requirements.
  - d) Complies with IEC 60065, Edition 7.2, Annex G.1.1 needle flame testing requirements.
6. Complies with Stress Test Qualification per AEC-Q200 Rev D.

7. Suitable for Damp Location use:

a) 85C/85% relative humidity

b) 40C/93% relative humidity

Marking: Company name and model designation and the Recognized Component Mark, .

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