ABB HIGH CURRENT WELDING SEMICONDUCTORS

Product Data Sheet

5SDD0120C0200

Press pack welding diode

FUNCTION	FAMILY	ORIGIN	WEIGHT
Press pack welding diode	**ABB high current welding semiconducto**	**Czech Republic**	**0.22 kg**

ABB 5SDD0120C0200 is a Press pack welding diode for the ABB high current welding semiconductors. The values below are limited to the exact documented article.

01 VERIFIED TECHNICAL DATA

Semiconductor type	Welding diode
Housing style	C press-pack housing
Repetitive peak reverse voltage	200 V
Nonrepetitive peak reverse voltage	300 V
Average forward current	11000 A
RMS forward current	17300 A
Surge current at 10 ms	85000 A
Surge current at 8.3 ms	92500 A
I^2t at 10 ms	36100 kA^2s
I^2t at 8.3 ms	35700 kA^2s

Technical values are limited to the exact manufacturer record and applicable official manual.

02 ADDITIONAL PRODUCT DATA

Forward voltage	0.92 V maximum at 8000 A
Threshold voltage	0.75 V
Slope resistance	0.020 mΩ
Junction temperature	–40 to 170 °C
Clamping force	35 to 40 kN

03 OFFICIAL APPLICATIONS

- Vehicle and Automotive Component Manufacturing: Vehicle production and assembly industries; Automotive component manufacturing
- Metal Processing and Mineral Resource Production: Ferrous and nonferrous metal production; Mineral extraction and processing
- Industrial Manufacturing and Continuous Production: Discrete manufacturing and assembly production; Continuous industrial production operations

04 SYSTEM COMPATIBILITY

Match 5SDD0120C0200 to the installed ABB high current welding semiconductors, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

05 OFFICIAL SOURCES

ABB 5SDD0120C0200 welding diode data sheet

Manufacturer technical documentation summarized for the exact model

AMIKON PRODUCT SUPPORT

+86-18020776786 INFO@AMIKON.CN **AMIKONG.COM**