

5 é / Descriptions

TO-252 .> // x 9 O) N ?ú 3 MOS « | • 'ož

SiC N-CHANNEL MOSFET in a TO-252 Plastic Package.

□ ª / Features

$V_{DS}=800V$ z $I_D=6.9A$

$R_{DS(on)}@15V$ "1300m (Type.1000m)

Đ ÷ / Applications

• ¼ >o• ä 9 *) *) ô E ~o• P - ~o• Ñ Ü o• Ĩ ä • ož

Switch Mode Power Supplies,High Voltage DC/DC Converters,Battery Chargers,Motor Drives,Pulsed Power Applications.

Ã W] Ô · / Equivalent Circuit

• Ô - æ / Pinning

PIN1 y G

PIN 2 y D

PIN 3 y S

PIN 4 y D

, M V / Marking

• - ~ ª ¢ož

See Marking Instructions.

Ô ? d • Ž ¢ / Electrical Characteristic Curve

Ô ? d • Ž ¢ / Electrical Characteristic Curve

BRSC80R1K0ZDP

Ø □ =) ¢ / Package Dimensions

, M y f / Marking Instructions

BR
65R1K0Z
SC ****

^a ¢ y

BR y , [W A

8 1 @ y ° Z W A

9) y K J´

y ħ D Z W A k š ħ D Z J

Note:

BR: Company Code

65R1K0Z: Product Type Code

SC: SiC

****: Lot No. Code, code change with Lot No.

šWD t...•Ž¢ (x/) / :KSVKXGZ[XK 6XULORK LUX /8 8KLRU] 9URJKXOTM 6

^a ¢ y

10• Ä ½ “ † 150 ½180 - k ž • 60 ½90sec;

20• Q > “ † 245 r5 - k ž • 4 Ò 5 r0.5sec;

30•D N ò i Ò 0 , † r

Note:

1.Preheating:150~180 - , Time:60~90sec.

2.Peak Temp.:245 r5 - , Duration:5 r0.5sec.