

BRSC65R380ZFA

Rev.A Apr.-2026

5 é / Descriptions

: 5 , .> // x 9 O) N ?ú 3 MOS « | • 'ož
SIC N-CHANNEL MOSFET in TO-220F Plastic Package.

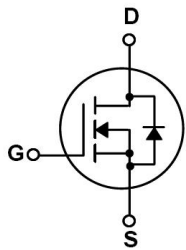
αª / Features

$V_{DS}=650V$ z $I_D=11A$
 $R_{DS(on)}@15V$ "500m (Type.380m)

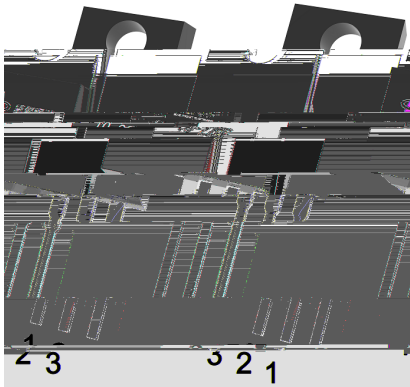
Đ ÷ / Applications

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

Ã W] Ô . / Equivalent Circuit



• Ū - æ / Pinning



PIN1 y G

PIN 2 y D

PIN 3 y S

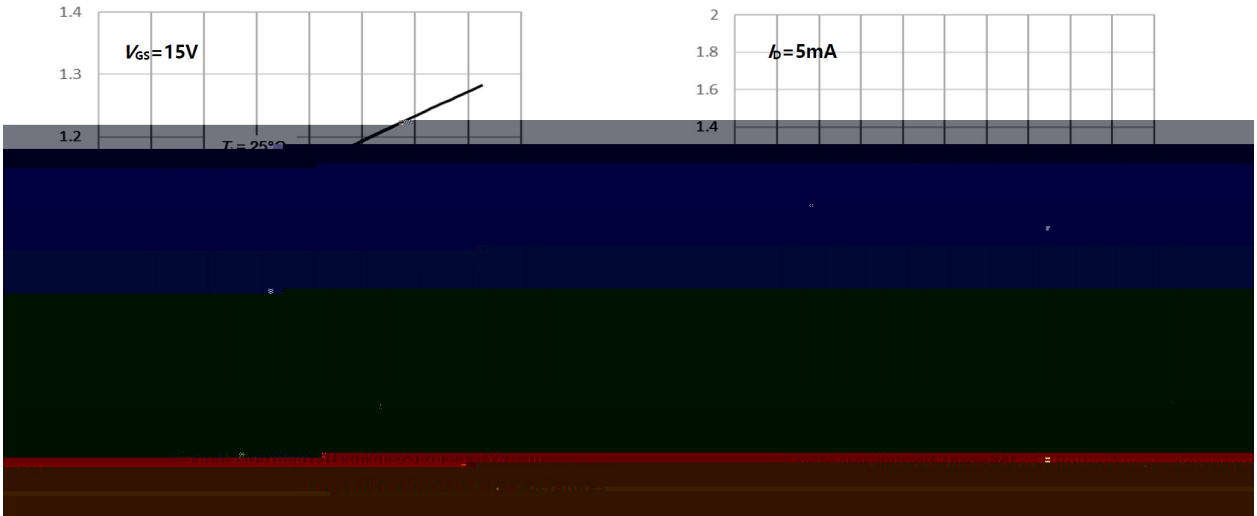
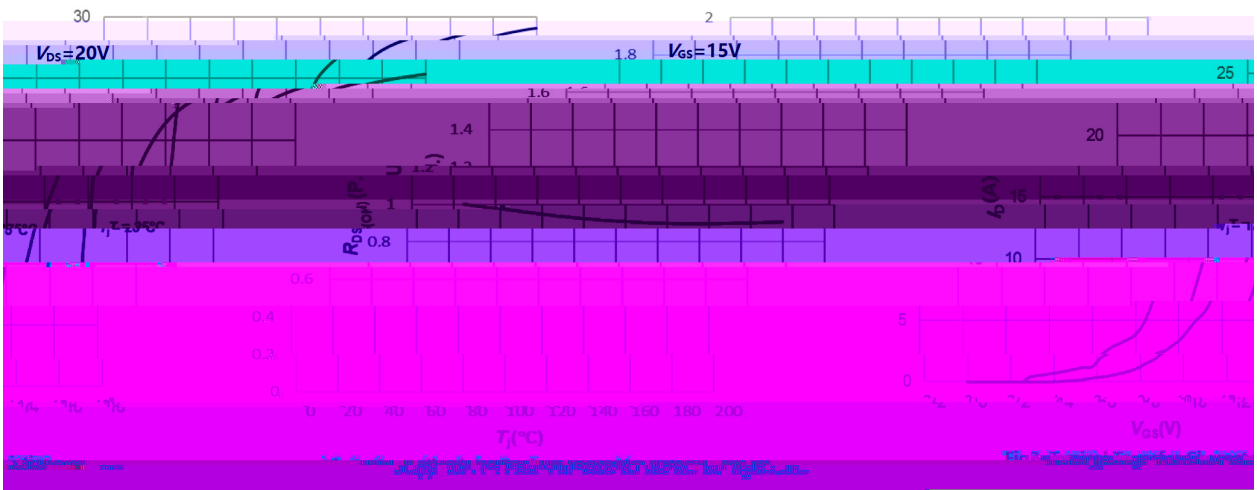
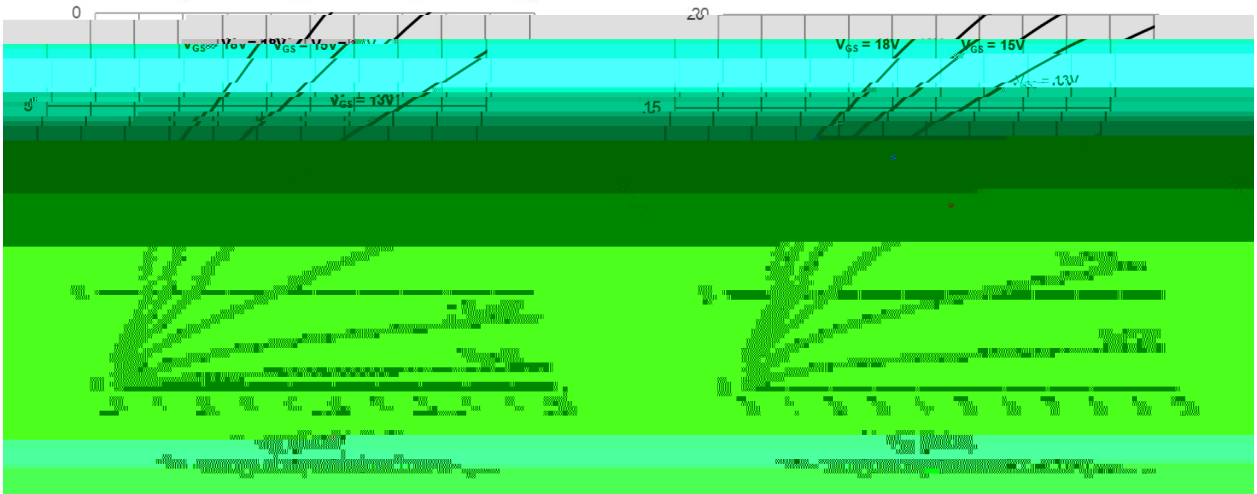
, M V / Marking

• - ~ª øž

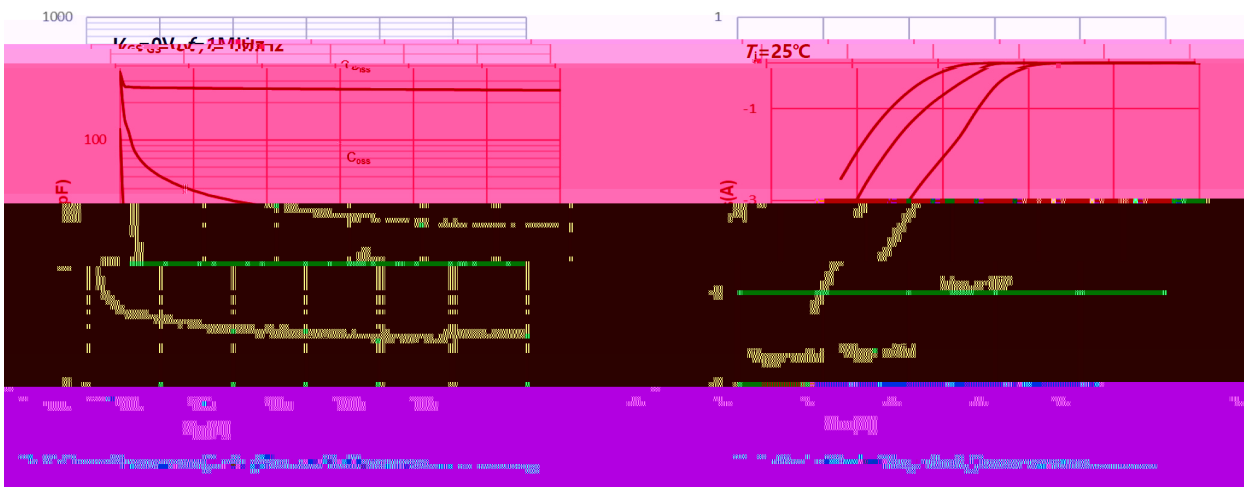
See Marking Instructions.

@ f
Parameter

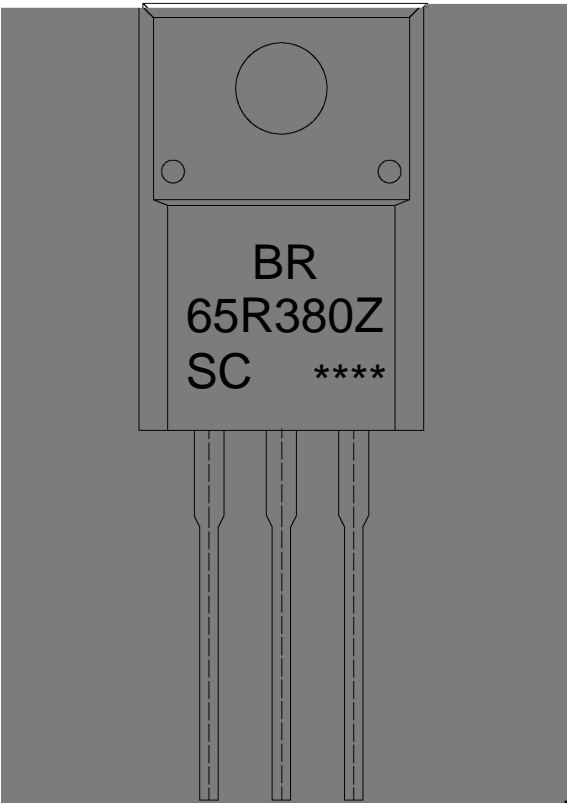
Electrical Characteristic Curve



Electrical Characteristic Curve



, M y f / Marking Instructions



^a ç y
BR y , [W A
65R380Z y ° Z W A
9) y K J ´
 y ÿ D Z W A k š ÿ D Z J

Note:
BR: Company Code
65R380Z: Product Type Code
SC: SiC
****: Lot No. Code, code change with Lot No.

G PD t ... • Ž φ (x /) / Temperature Profile for Dip Soldering(Pb-Free)

^a φ y

1o• Ä ½ “ † 25 ½150 - k ž • 60 ½90sec;

2o• Q › “ † 255 r5 - k ž • 4 Ò 5 r0.5sec;

3o•D N ò i Ò 0 , † 2 ½10 -

Note:

1.Preheating:25~150 - , Time:60~90sec.

2.Peak Temp.:255 r5 - , Duration:5 r0.5sec.