VRS0; ṂṂ Ŀ ᴥ Q ڜ PRV ʃ ѽ Ẓ ٦

Grxe0h Q0FKDQQH0 PRVIHW Iq d VRS0; S0dvwlf Sdfndjh1

VDS(V)=30V ID=16A

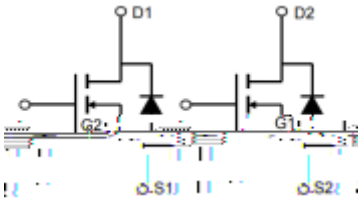
RDS(ON)@10V<8mΩ(Typ. 7.6mR)

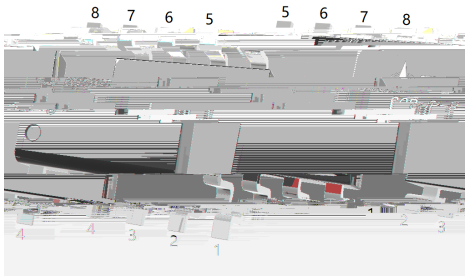
RDS(ON))@4.5V<12mΩ(Typ. 10.8mR)

ɲ ꜰ β HF Product.

₹ PE2QE2XPSF2YJD ⓄⒷ ﺡ ﻉ ق ذ ᴾ ª ℓ ں я ჯ Ѽ ʜ / ĭ ﻝ GF0GF ɔ ד ﻝ ﻷ /ق U Ầ ʜ

Klj k Iuhtxhqf| SrIqw0ri0Ordg V|qfkurqrxv Exfn Frqyhuwhu iru PE2QE2XPSF2YJD/ Qhwz runIqj GF0GF Sr zhu V|vwhp/0rdg VzIwfk1





PIN1 χ S1 PIN 2 χ G1 PIN 3 χ S2 PIN 4 χ G2

PIN 5 χ D2 PIN 6 χ D2 PIN 7 χ D1 PIN 8 χ D1

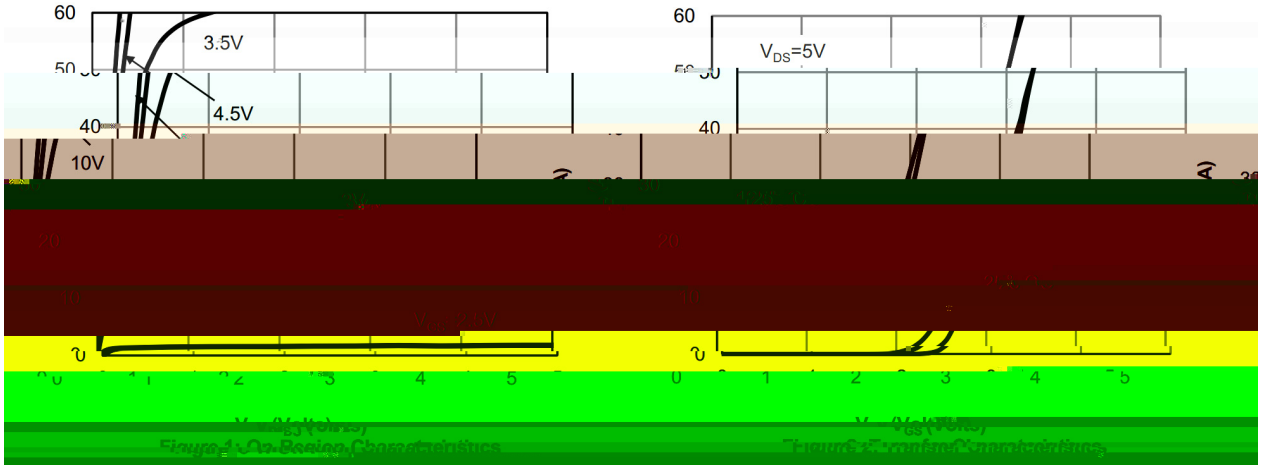
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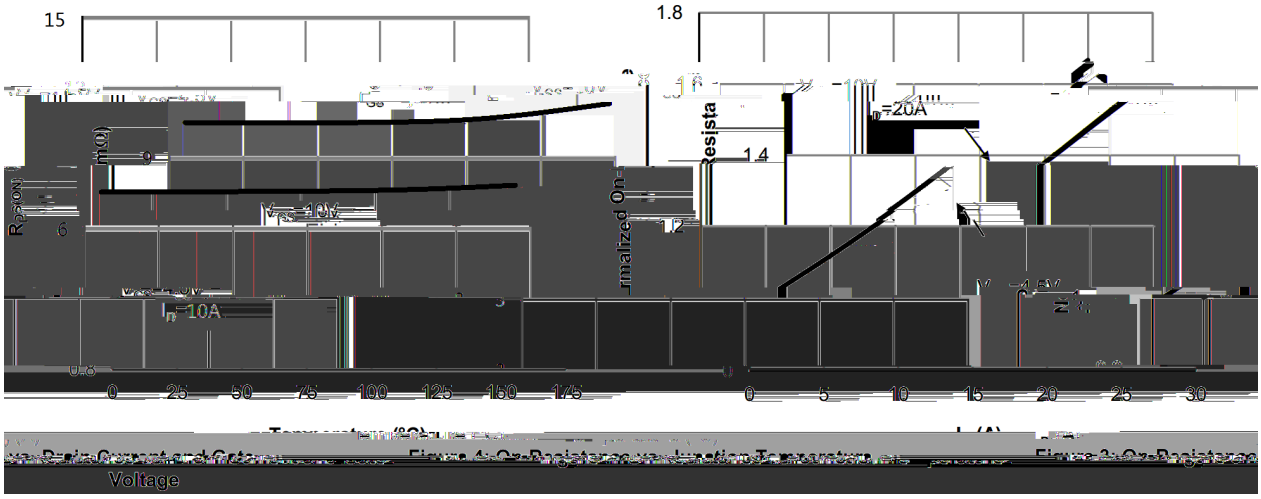
See Marking Instructions.

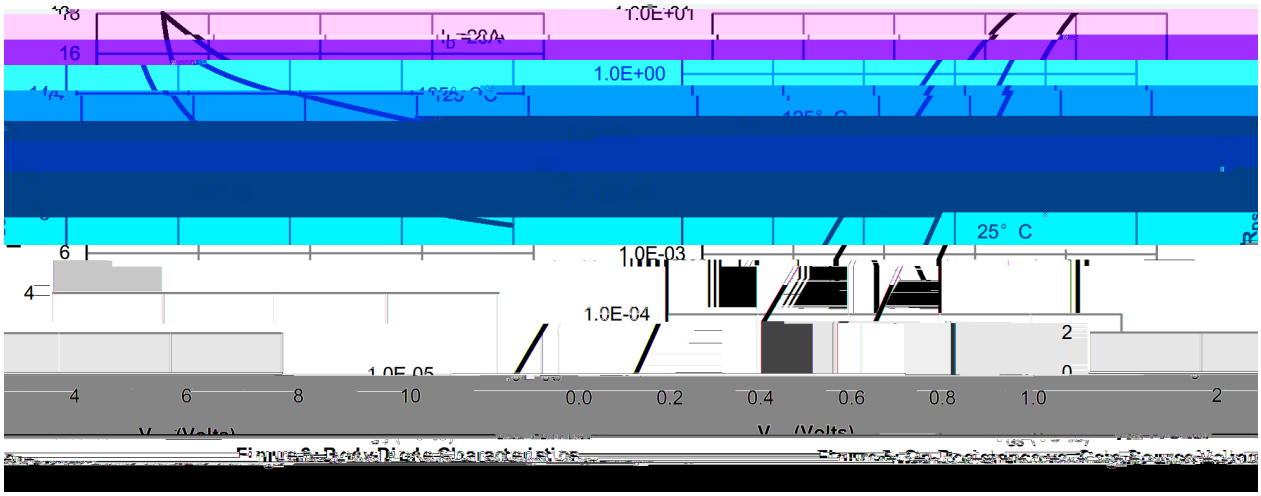
v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ӌ Unit
Drain-Source Voltage	V_{DSS}	30	V
Gate-Source Voltage	V_{GS}	±20	V
Continuous Drain Current	I_D	16	A
Pulsed Drain Current	I_{DM}	59	A
Power Dissipation	P_D	3.2	W
Junction and Storage Temperature Range	T_J,T_{STG}	-55 to +150	
Maximum Junction-to-Ambient	$R_{\theta JA}$(Steady-State)	39	/W

v ̈Ω Parameter	ϒ N Symbol	ӏ :ϯ ϒ Test Conditions	ώ ṇ Ö Min	Ɛ ʒ Ö Typ	ώ ᶻ Ö Max	D Ӌ Unit
Drain-Source Breakdown Voltage	BV_{DSS}	V_{GS}=0V I_D=250μA	30	35		V
Zero Gate Voltage Drain Current	I_{DSS}	V_{DS}=30V V_{GS}=0V			1	μA
Gate-Body leakage current	I_{GSS}	V_{GS}=±20V V_{DS}=0V			100	nA
Gate Threshold Voltage	$V_{GS(th)}$	V_{DS}=V_{GS} I_D=250μA	1.0	1.7		

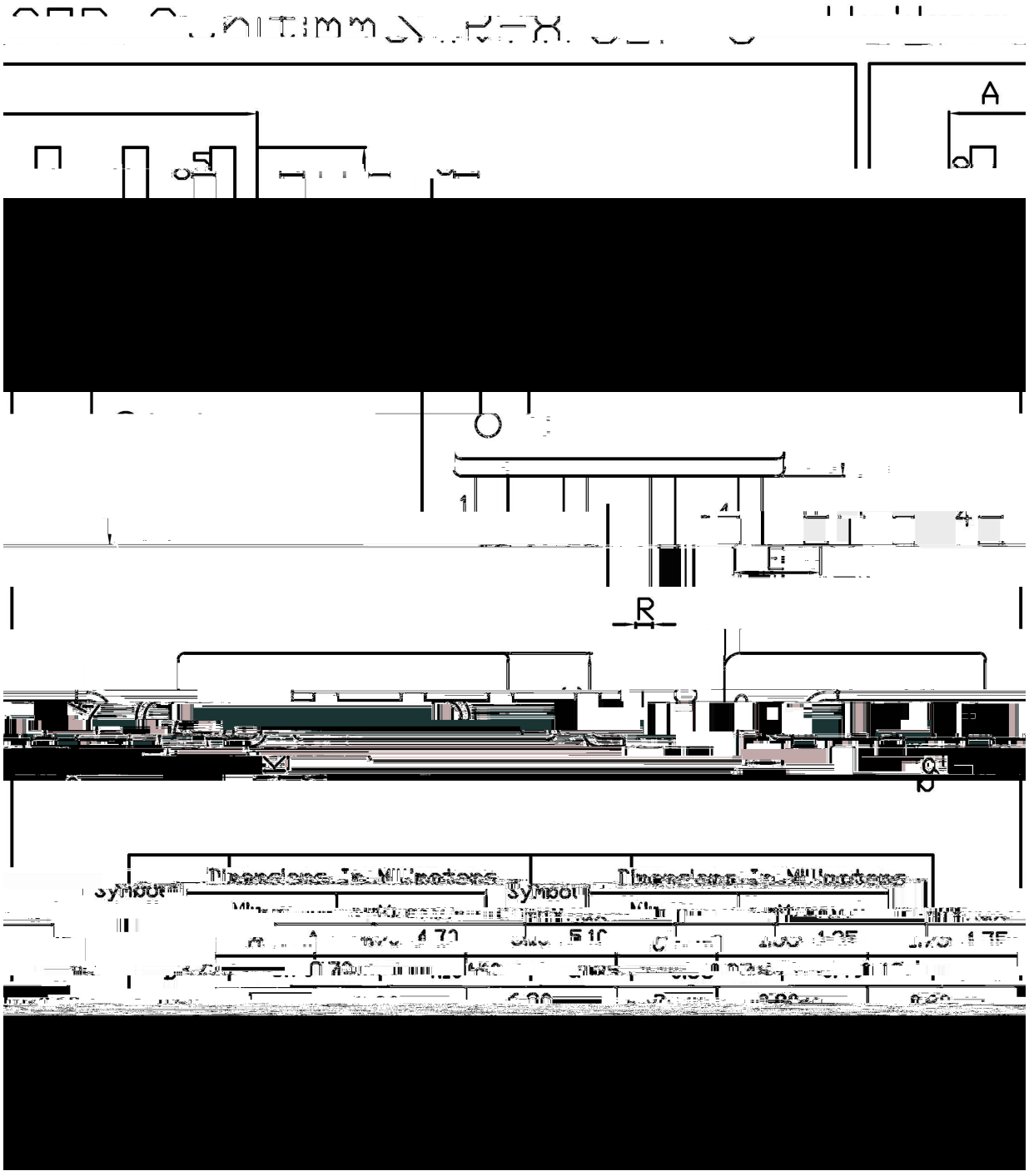
v ̈Ω Parameter	↾ N Symbol	⊪ ;ˆ ţ Test Conditions	ώ ṇ Ө Min	Ɛ ʒ Ө Typ	ώ ᶻ Ө Max	ɒ ɥ Unit
Turn-On Delay Time	$t_{d(on)}$	V_{DS}=15 V V_{GS}=10V R=10V =10V 880006 Tc(=15V)Tj385 1 Tf330008 0 T57TcTc( )Tɟ1<020c				

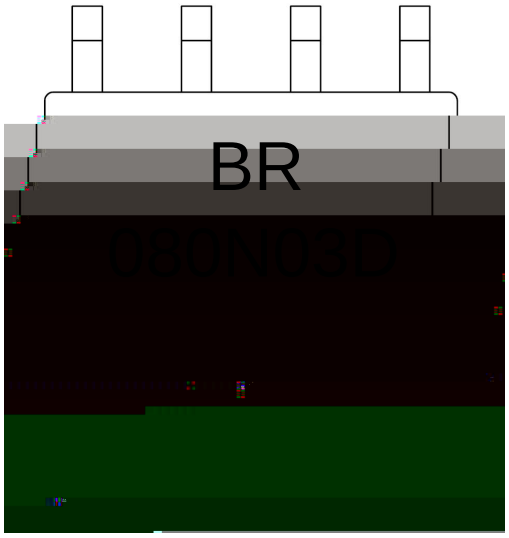

60
3.5V
4.5V
40
10V
60
V_{DS}=5V
40


15
1.8
I_D=10A
I_D=20A
1.4
1.2
0
25
50
75
100
125
150
175
0
5
10
15
20
25
30


I_D=28A
16
1.0E+01
1.0E+00
25° C
6
4
1.0E-03
1.0E-04
2
0
4
6
8
10
0.0
0.2
0.4
0.6
0.8
1.0
2

N03Electrical 25(g)9(Charac)-4/Tteristic 25(g)9(Curv)-4/Te1 Tf 76018 527.7 702 296.88 44.2..0006 Tc


A
R
Dimensions In Millimeters
Symbol
Dimensions In Millimeters
Symbol



ب ˝ χ	
BR χ	ﻩ ३ ᴎ Γ ђ
080N03D χ	ﻩ ȝ ᴺ Γ ђ
**** χ	ﻩ ł ғ ӈ̃ ᴺ Γ ђ ı ₺ ł ғ ӈ̃ ᴺ Ψ ק
Note:	
BR:	Company Code
080N03D:	Product Type
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



ب ˝ χ

1 Ĺ ♬ □ ů 150 Ḱ 180 ł ı `H ژ 60 Ḱ 90sec;

2 Š Ө □ ů 245 ° 5 ł ı `H ژ 'Y ٨ ₩ 5 ° 0.5sec;

3 ì ˙ ٧ ¸ ɔ ﻩ ů ₩ 2 Ḱ 10 ł /sec.

Note:

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

2.Peak Temp.:245 ° 5 ł , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ł /sec.

605 ° 5 ł