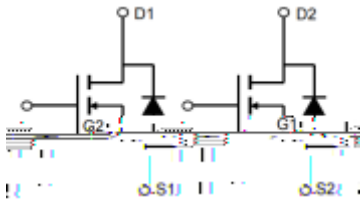
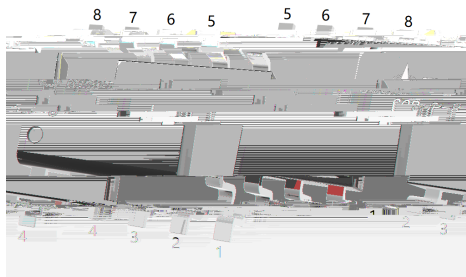


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VRS0; M M t x Q s P R V j q z 1
Grxe0h Q0FKDQQH0 P R V I H W l q d V R S 0; S o d v w l f S d f n d j h l

$V_{DS}(V)=30V$ $I_D=16A$
 $R_{DS(ON)}@10V<8m\Omega$ (Typ. 7.6mR)
 $R_{DS(ON)}@4.5V<12m\Omega$ (Typ. 10.8mR)
 n f β HF Product.

PE2QE2XPSF2YJD 0B J a l o y j " Q H / I J G F 0 G F z T M 1 / q U A H
 K l j k l u h t x h q f | S r l q w 0 r i 0 0 r d g V | q f k u r q r x v E x f n F r q y h u w h u i r u P E 2 Q E 2 X P S F 2 Y J D /
 Q h w z r u n l q j G F 0 G F S r z h u V | v w h p / 0 r d g V z l w f k l



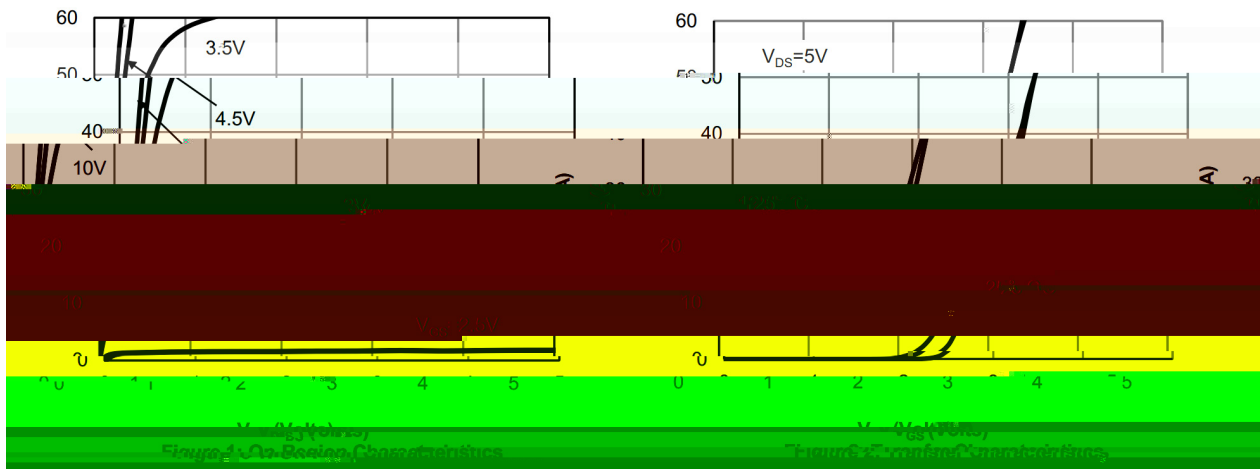
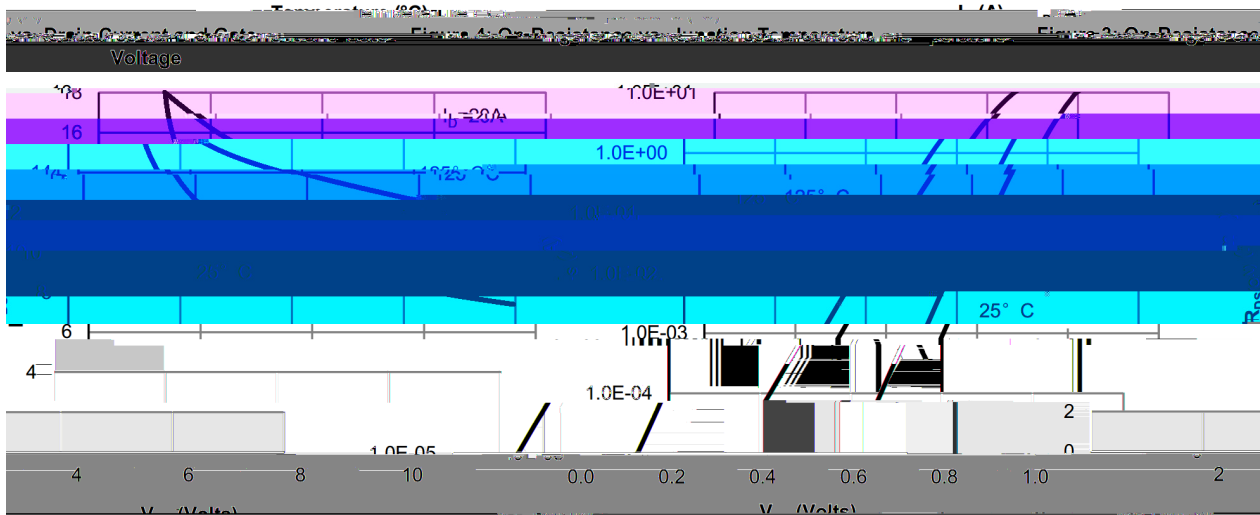
PIN 1 χ S1 PIN 2 χ G1 PIN 3 χ S2 PIN 4 χ G2
 PIN 5 χ D2 PIN 6 χ D2 PIN 7 χ D1 PIN 8 χ D1

o m 1 b "
 See Marking Instructions.

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	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

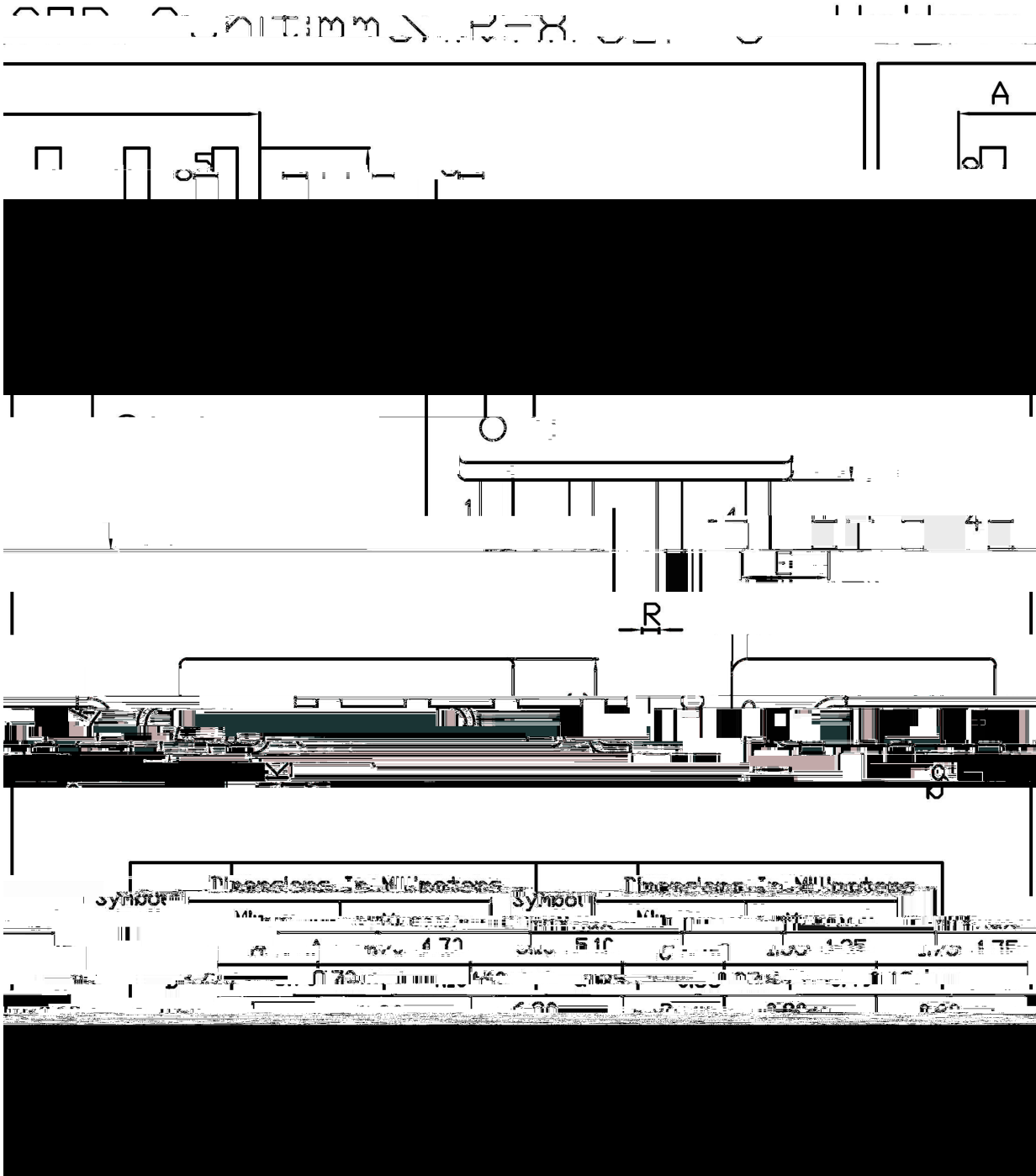
Parameter	Symbol	Test Conditions		Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$	$I_D=250\mu A$	30	35		V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=30V$	$V_{GS}=0V$			1	μA
Gate-Body leakage current	I_{GSS}	$V_{GS}=\pm 20V$	$V_{DS}=0V$			100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$	$I_D=250\mu A$	1.0	1.7		

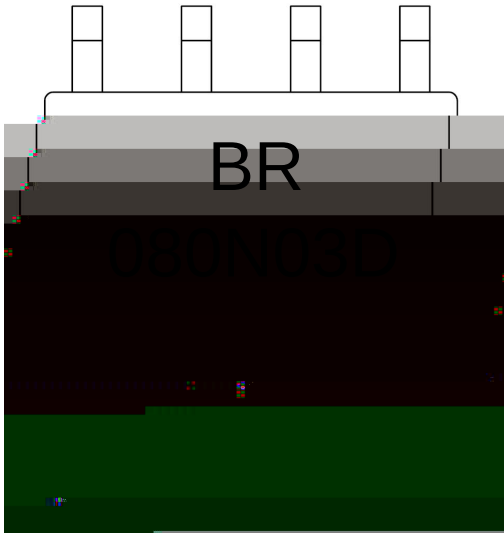
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Turn-On Delay Time	$t_{d(on)}$	$V_{DS}=15\text{ V}$ $V_{GS}=10\text{ V}$ $R=10\text{ }\Omega$ $f=1\text{ kHz}$ $T_c=25^\circ\text{C}$ $T_j<100^\circ\text{C}$				



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





б " χ	
BR χ	ᄁ ᄁ ᄁ ᄁ
080N03D χ	ᄁ ᄁ ᄁ ᄁ
**** χ	ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ ᄁ
Note:	
BR:	Company Code
080N03D:	Product Type
****:	Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)

备注：

1. 预热：150~180℃，时间：60~90sec；
2. 峰值温度：245±5℃，持续时间：5~0.5sec；
3. 冷却速度：2~10℃/sec.

Note:

- 1.Preheating:150~180℃, Time:60~90sec.
- 2.Peak Temp.:245±5℃, Duration:5~0.5sec.
3. Cooling Speed: 2~10℃/sec.

605±5℃