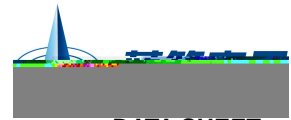


A	2021.10.26	All	AOS-AON6298		

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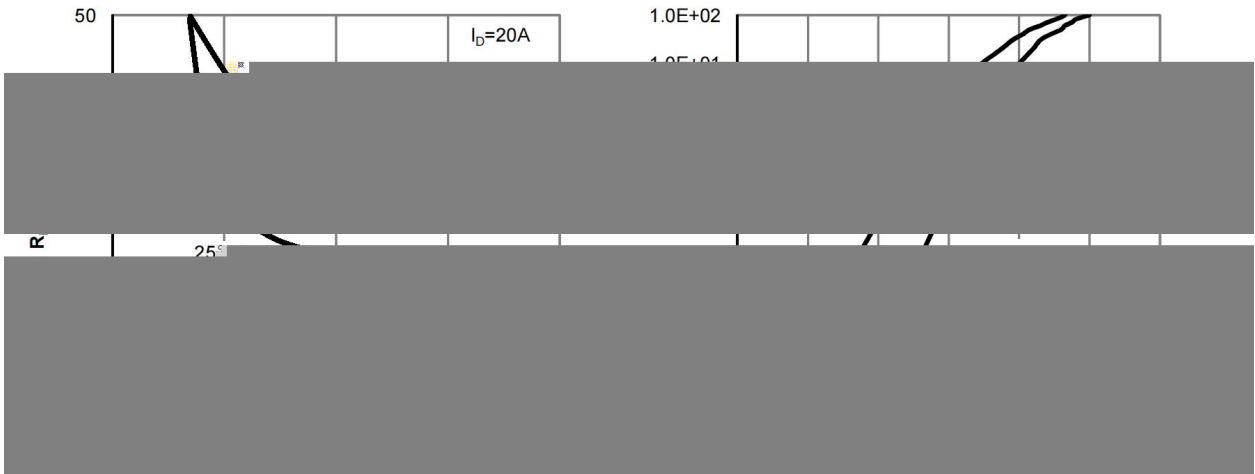
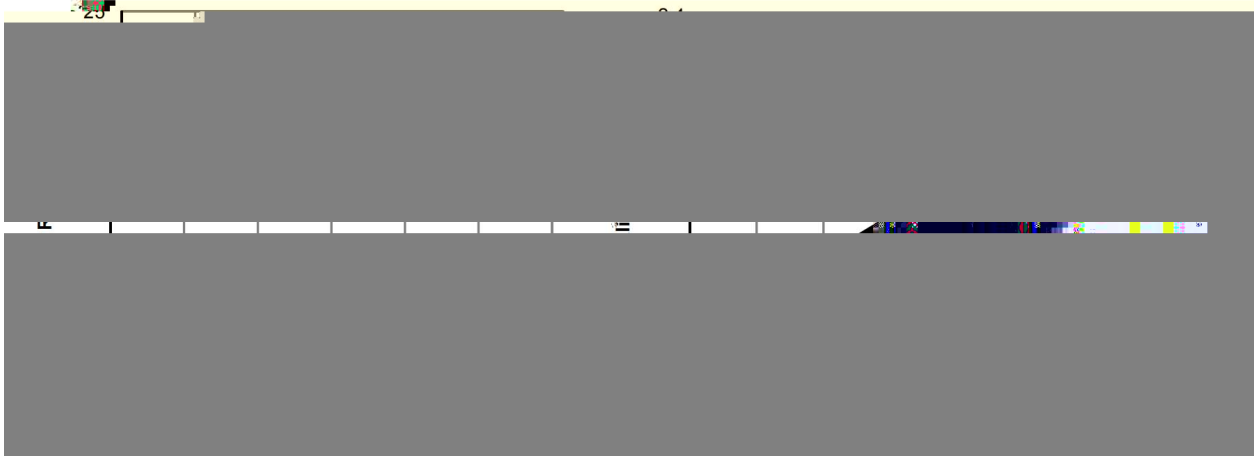
Parameter	Symbol	Rating	Unit	
Drain-Source Voltage	V_{DS}	100	V	
Continuous Drain Current	I_D	46	A	
Pulsed Drain Current	I_{DM}	184	A	
Gate-Source Voltage	V_{GS}	± 20	V	
Power Dissipation	$P_D(T_c=25^\circ C)$	78	W	
Avalanche energy(L=0.5mH)	E_{AS}	24.5	mJ	
Avalanche Current(L=0.5mH)	I_{AS}	7.0	A	
Junction and Storage Temperature Range	T_j, T_{stg}	-55 to 150	$^\circ C$	
Maximum Junction-to-Ambient	$t \leq 10s$	R_{JA}	17	/W
	Steady-State		55	
Maximum Junction-to-Case	Steady-State	R_{JC}	1.6	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$I_D=250\mu A, V_{GS}=0V$	100	109		V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=100V, V_{GS}=0V$			1	μA
Gate-Body leakage current	I_{GSS}	$V_{DS}=0V, V_{GS}=\pm 20V$			± 100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}, I_D=250\mu A$	1.0	1.7	2.5	V

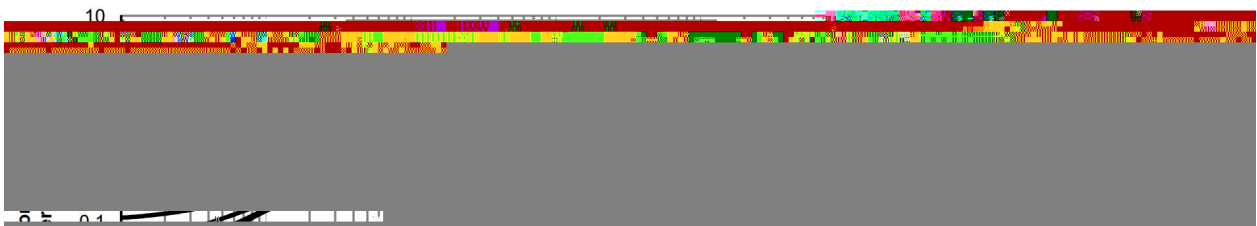
Static Drain-Source On-Resistance R_{in}

Parameter	Symbol	Test Conditions	Min	Typ R	Max	Unit
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/ **Electrical Characteristic Curve**



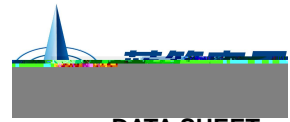
/ Electrical Characteristic Curve



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DA



() / Temperature Profile for IR Reflow Soldering(Pb-Free)

Note:

1 150 180

