/ Revised record

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AOB66616L(A 6DM	2021.12.22	ALL	0 1 AOS-AON6242(2 3 4 5)+ 2 3 PD+RJ) 6 7 8 - ! 9 : ; < = > ? 2 3 N020 @ : ;	A B 0	C D E

/ Descriptions

TO-263 N

N-CHANNEL MOSFET in a TO-263 Plastic Package.

/ Features

,

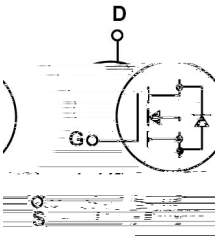
Ultra Low On-Resistance,fast switching,Halogen-free Product.

/ Applications

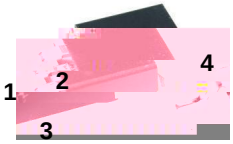
PFC

These devices are well suited for high efficient switched mode power supplies，Active power factor correction, electronic lamp ballast based on half bridge topology.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 4 D PIN 3 S

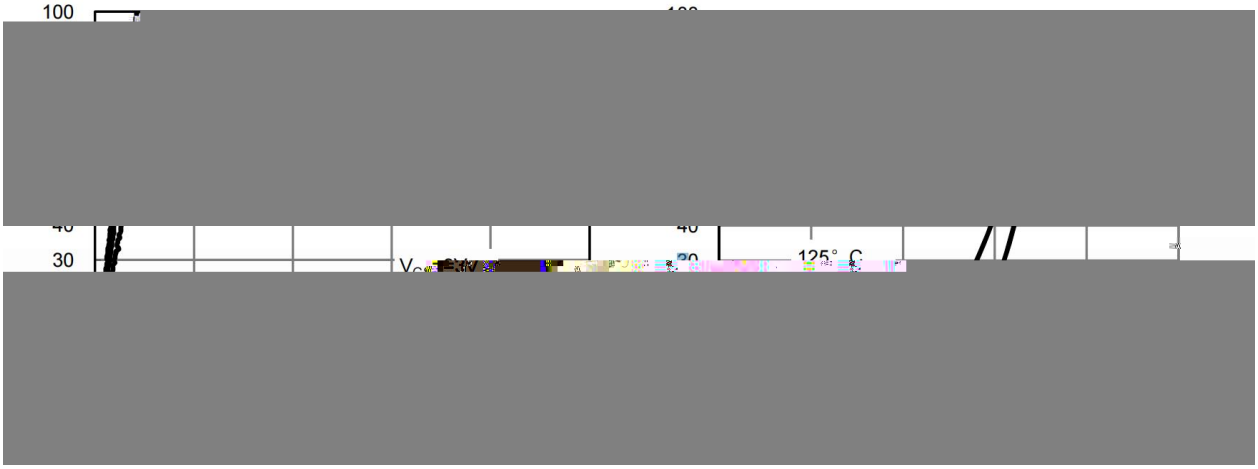
/ h_{FE} Classifications & Marking

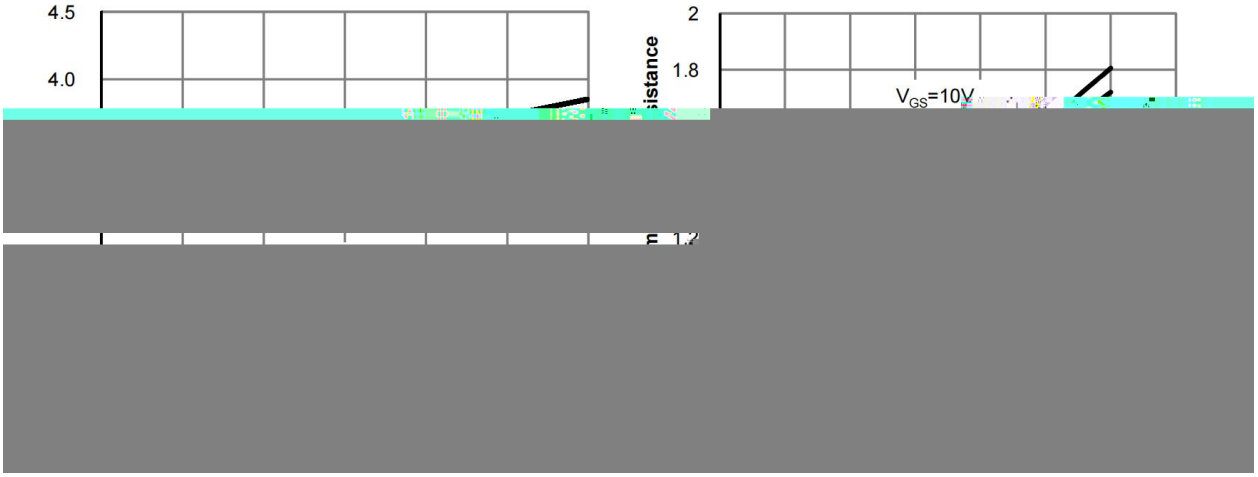
See Marking Instructions.

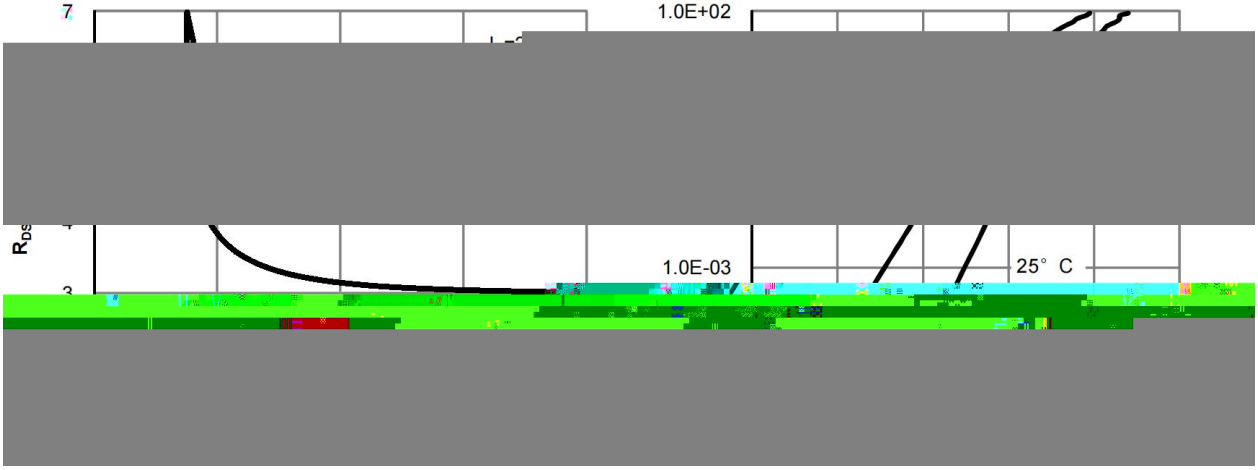
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	60	V
Drain Current	I_D(Tc=25℃)	140	A

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Total Gate Charge	Q_g(10V)	V_{GS}=10V V_{DS}=30V I_D=20A		60		nC
Total Gate Charge	Q_g(4.5V)			23		
Gate Source Charge	Q_{gs}			16		
Gate Drain Charge	Q_{gd}			3		
Turn-On Delay Time	$t_{d(on)}$	V_{GS}=10V V_{DS}=20V R_L=1Ω R_{GEN}=3Ω		13		ns
Turn-On Rise Time	t_r			4		

/ Electrical Characteristic Curve







/ Electrical Characteristic Curve



/ Package Dimensions

