

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	600	V
Drain Current	I_D	7	A
Drain Current - Pulsed	I_{DM}	28	A
Gate-Source Voltage	V_{GSS}	± 30	V
Single Pulsed Avalanche Energy	E_{AS}	500	mJ
Repetitive Avalanche Energy	E_{AR}	54	mJ
Single Pulse Avalanche Current	I_{AS}	3.3	A
Power Dissipation	$P_D(T_c=25^\circ C)$	95	W
Junction and Storage Temperature Range	T_J, T_{STG}	-55 to 150	
Thermal Resistance, Junction-to-Case	R_{JC}	1.32	/W
Thermal Resistance, Junction-to-Ambient	R_{JA}	62	/W

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$V_{GS}=0V$ $I_D=250\mu A$	600			V

Zero Gate Voltage Drain Current I_{DSS}

/ Electrical Characteristic Curve

Figure1. Output Characteristics ($T_j=25^{\circ}\text{C}$)

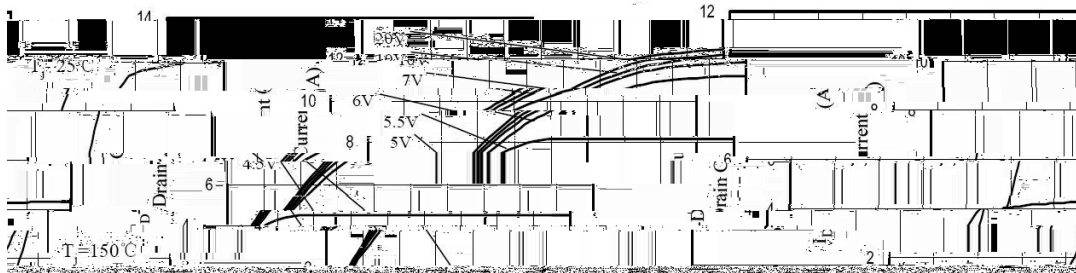


Figure5. Transfer Characteristics

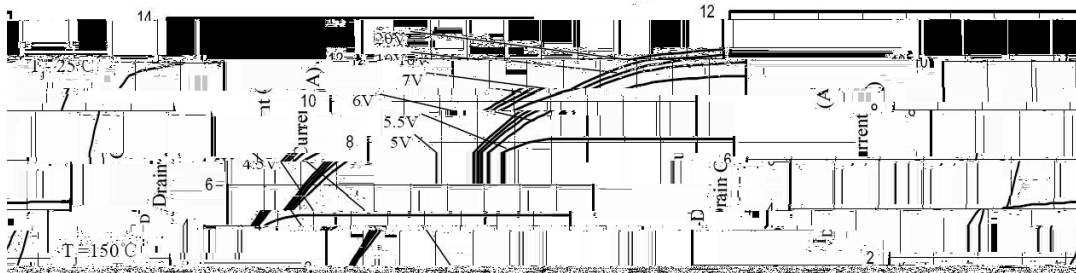
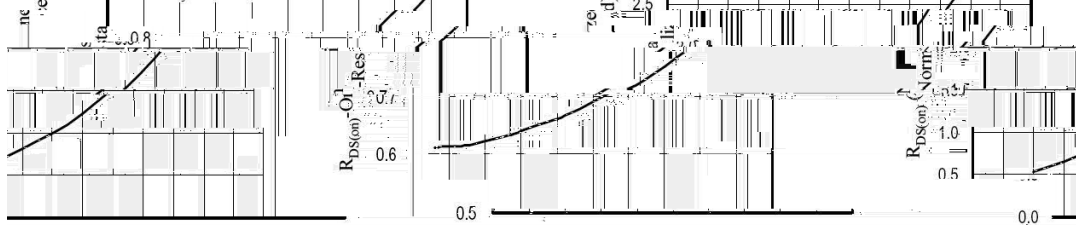
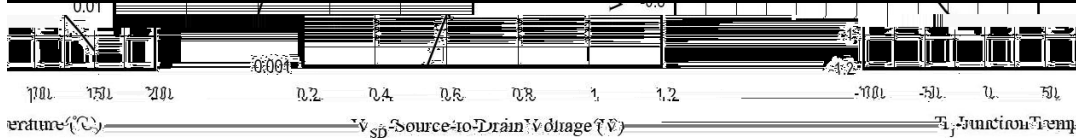
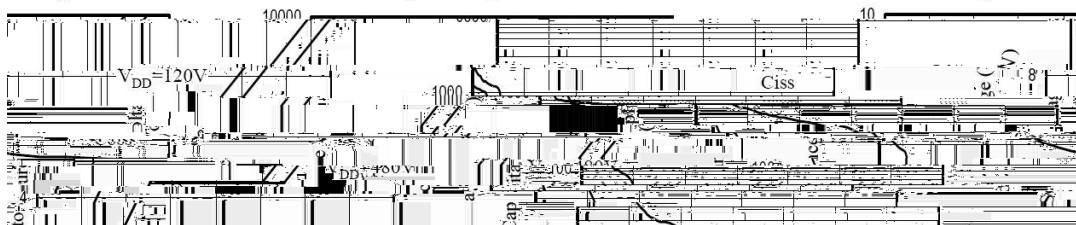
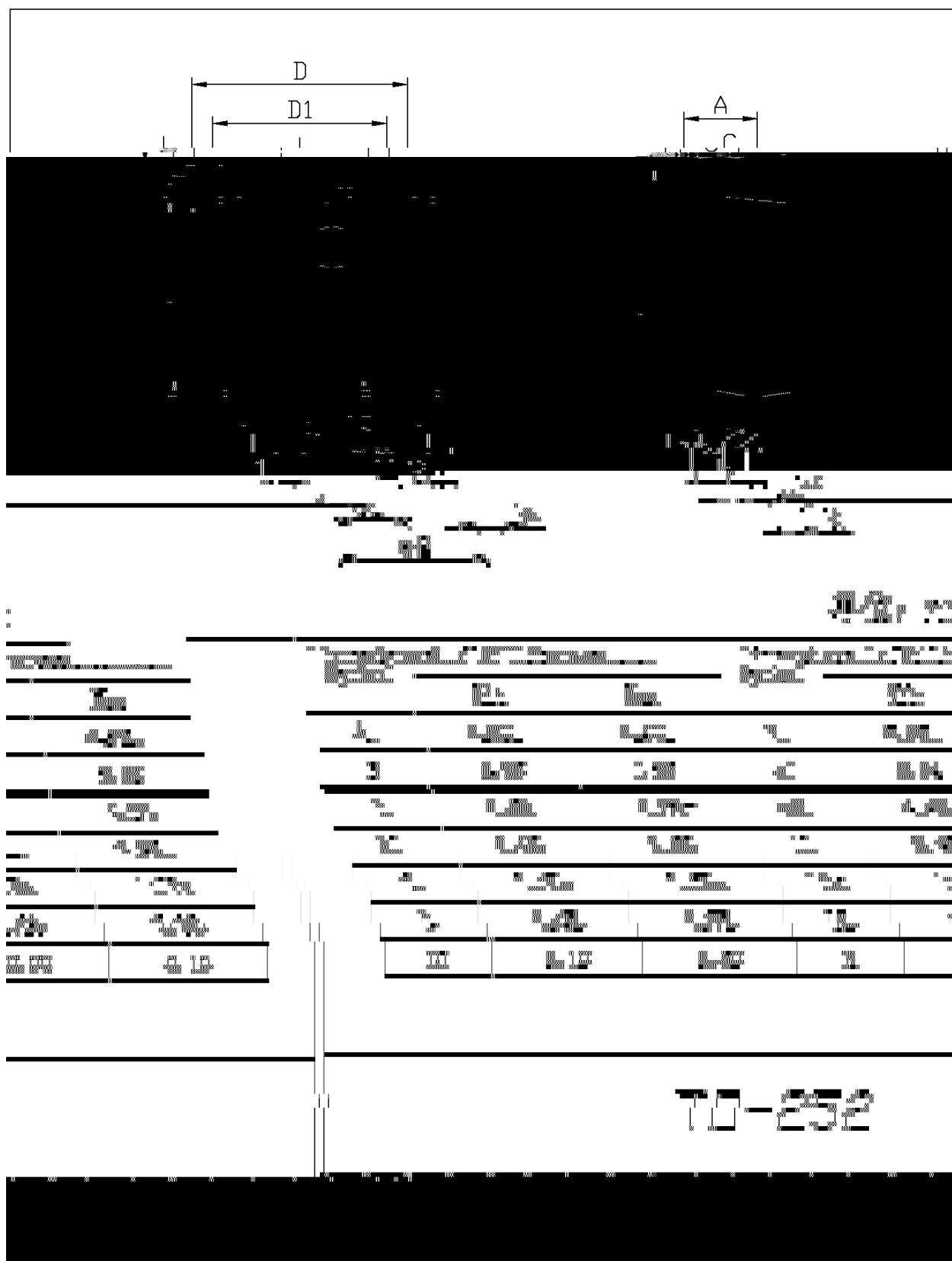


Figure7. Capacitance



/ Package Dimensions



BRD7N60

Rev.E Feb.-2017

() / Tem



- 1 25 15C
- 2 245±5
- 3

/

260±5

/ Packagi

/ REEL

Package Type	
	Units/Reel /
TO-252	2,500

/ TUBE

Package Type	
	Units/Tube /
TO-251/252	75

/ Notice