

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	-16	V
Gate-Source Voltage	V_{GSS}	± 8	V
Continuous Drain Current	I_D	-5	A
Pulsed Drain Current	I_{DM}	-23	A
Avalanche Current	I_{AS}	21	A
Avalanche energy L=0.5mH	E_{AS}	308	mJ

7.0172 0 0 Power Dissipation Single Pulse 300.51373002W-0012 Tc6.291ef32 Tw[21)-4()891.8(A)]T01 8

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain-Source Breakdown Voltage	BV_{DSS}	$I_D=-250\text{ A}$ $V_{GS}=0V$	-16	-18		V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{DS}=-16V$ $V_{GS}=0V$			-1.0	A
Gate-Body leakage current	I_{GSS}	$V_{DS}=0V$ $V_{GS}=\pm 8V$			± 100	nA
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$ $I_D=-250\text{ A}$	-0.5	-0.6	-1.0	V
Static Drain-Source On-Resistance	$R_{DS(ON)}$	$V_{GS}=-4.5V$ $I_D=-2.0A$		27	32	m
		$V_{GS}=-2.5V$ $I_D=-2.0A$		37.3	42	
		$V_{GS}=-1.8V$ $I_D=-2.0A$		51	60	
Diode Forward Voltage	V_{SD}	$I_S=-1A$ $V_{GS}=0V$		0.75		V
Total Gate Charge	Q_g	$V_{GS}=-4.5V$ $V_{DS}=-10V$ I_D				

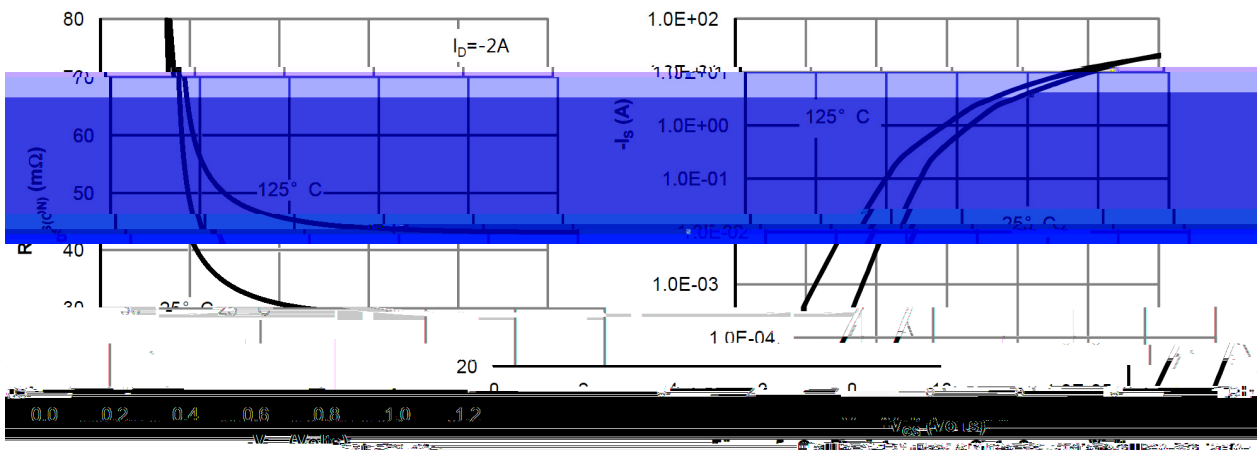
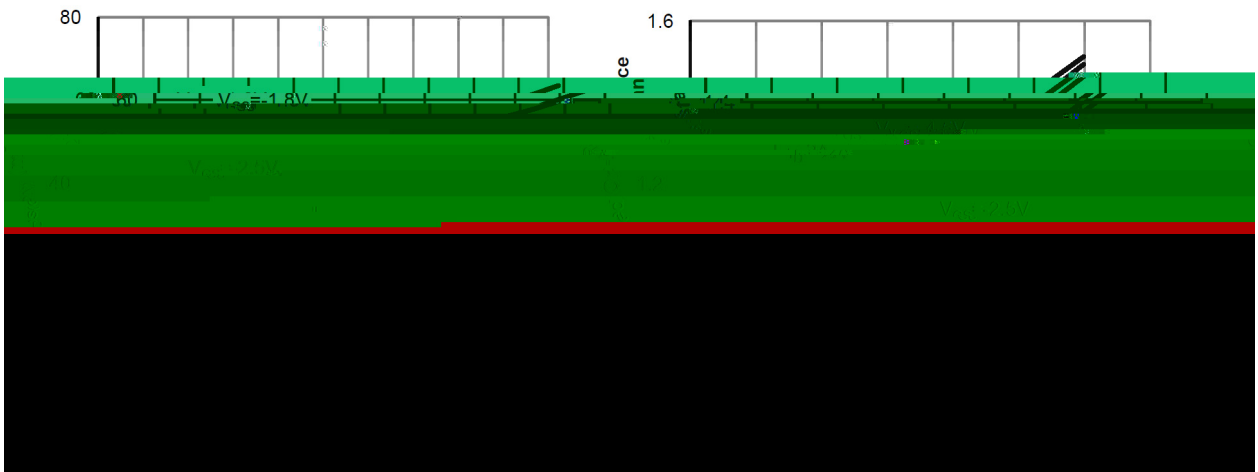
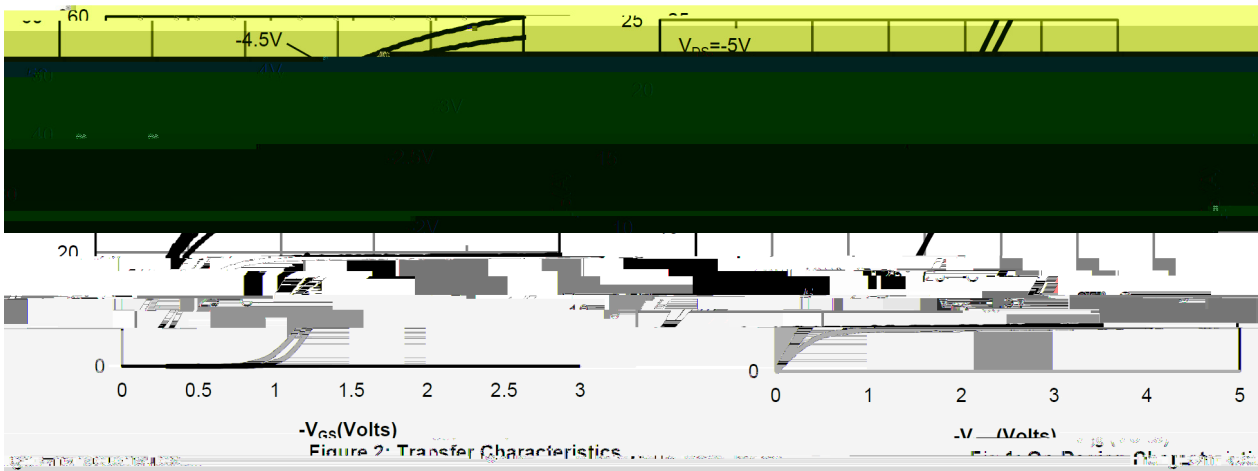
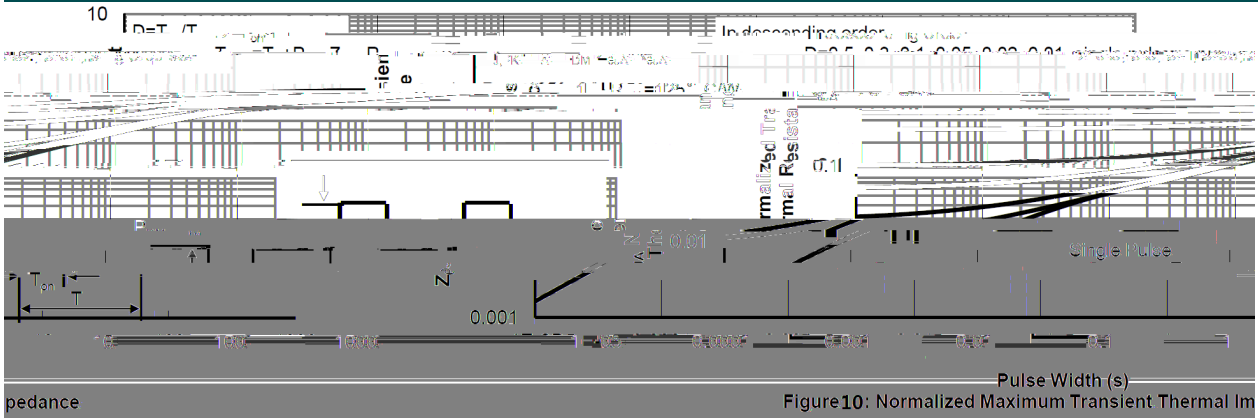
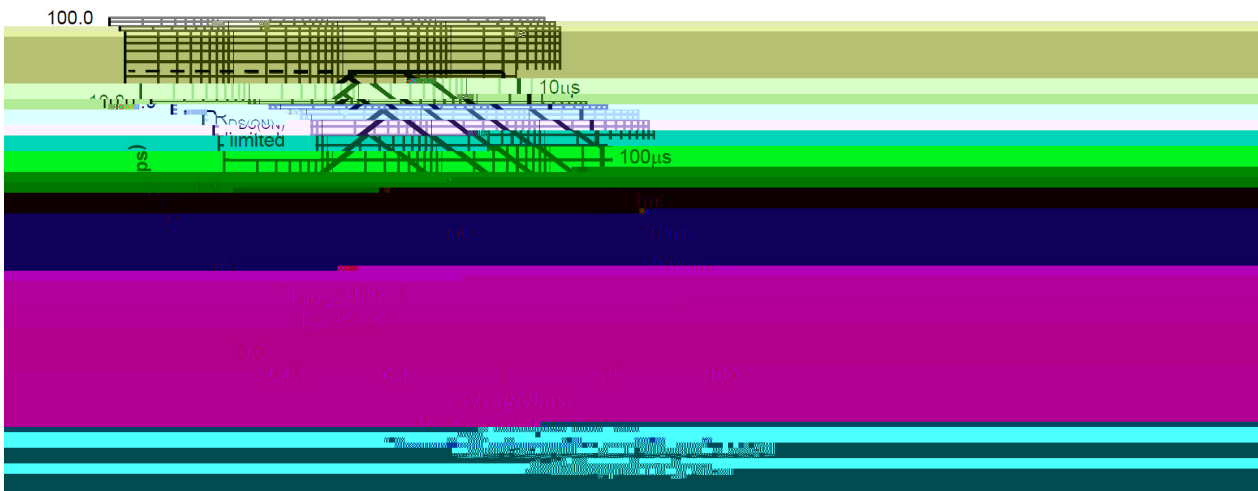
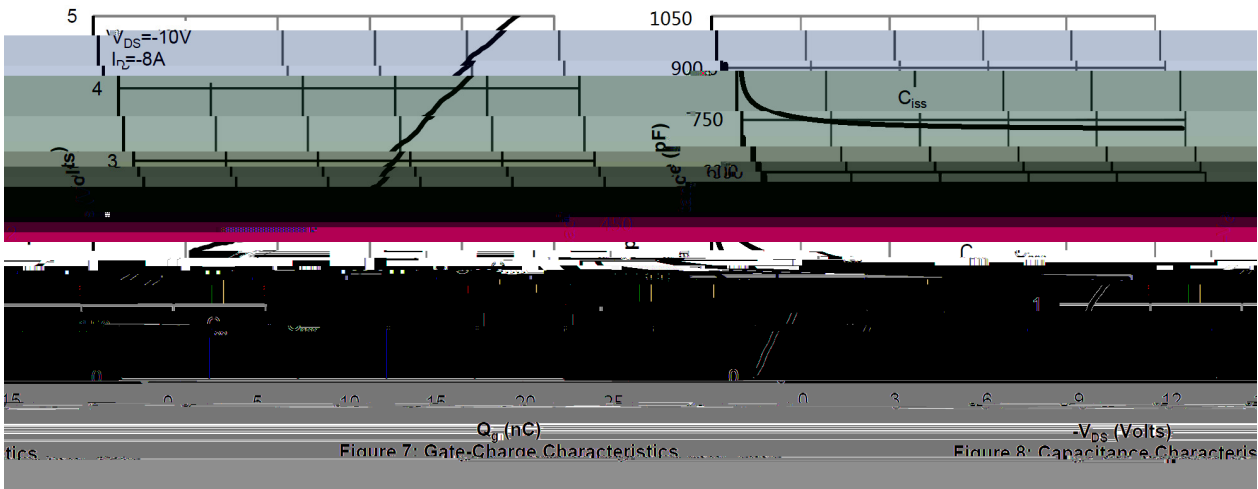
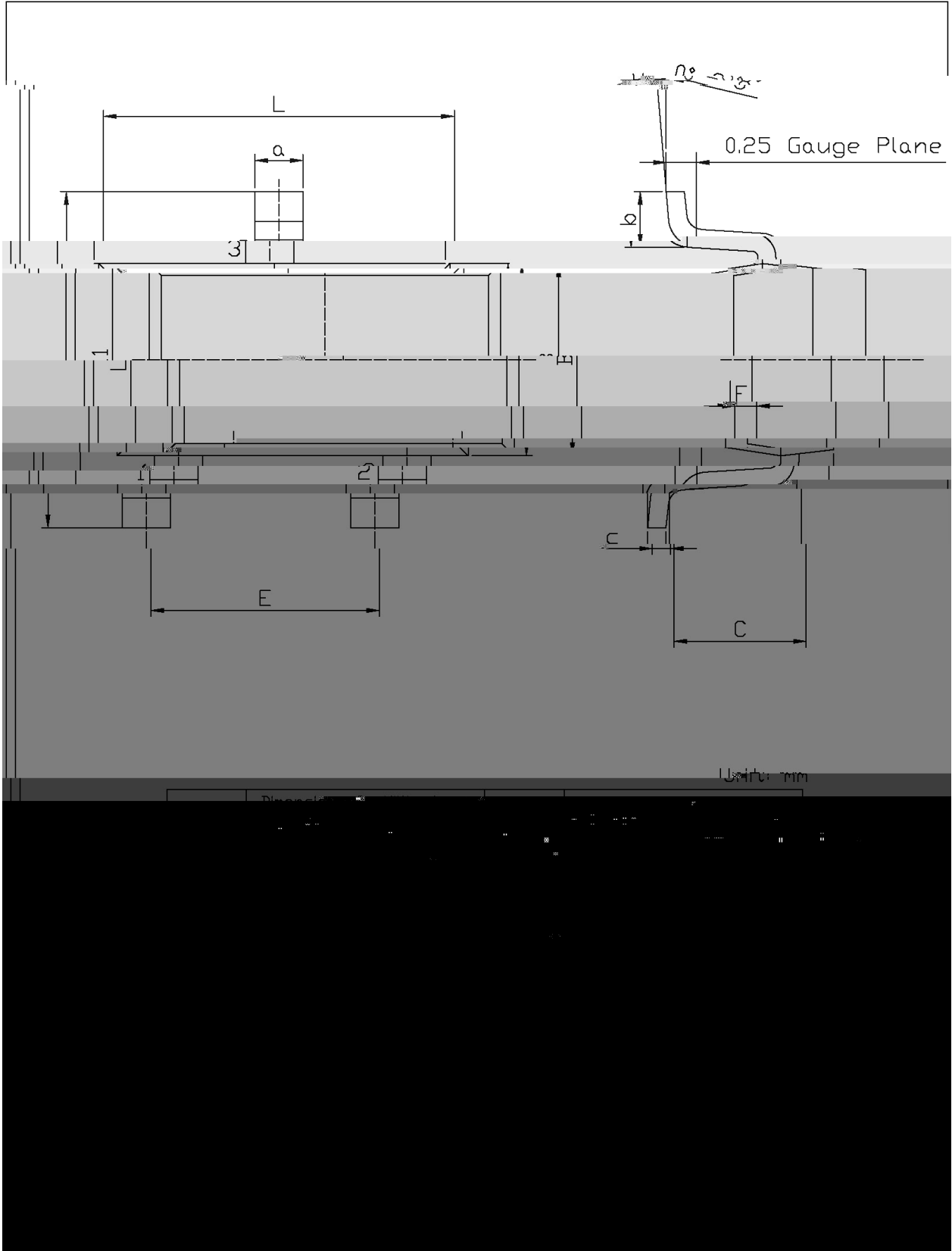
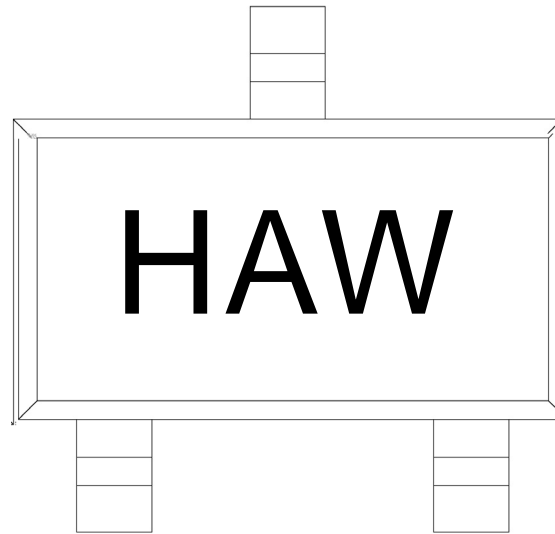


Figure 6: Body-Diode Characteristics







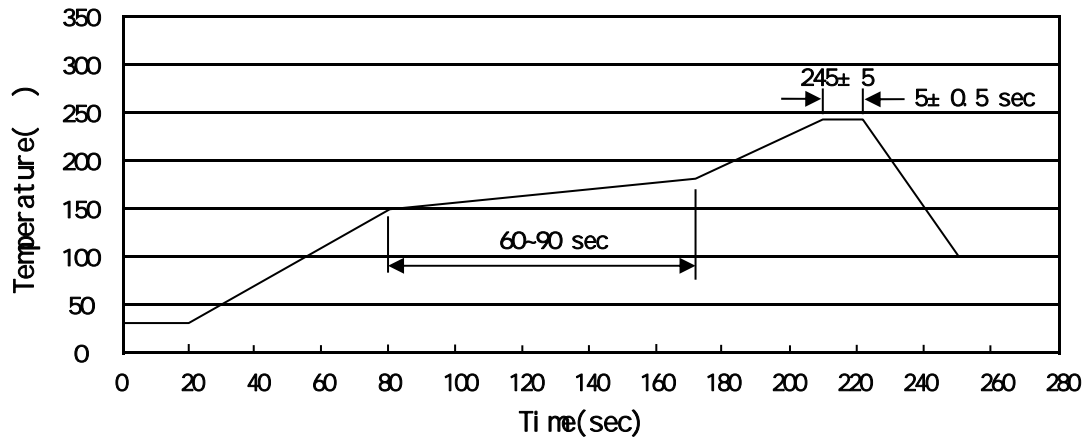
H:

AW:

Note:

H: Company Code

AW Product Type Code



Note:

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

260±5

10±1 sec.

Temp.:260±5

Time:10±1 sec

/ REEL

Package Type	Units					Dimension (unit mm ³)		
	Units/Reel	Reels/Inner Box	Units/Inner Box	Inner Boxes/Outer Box	Units/Outer Box	Reel	Inner Box	Outer Box
SOT23-3	3,000	10	30,000	4	120,000	7 x8	210x205x205	445x435x230