/ Descriptions

SOT23-3 MOS

P- CHANNEL MOSFET in a SOT23-3 Plastic Package.

/ Features

V_{DS} (V)=-20V I_D =-5.0A(V_{GS}= 10V)

$R_{DS(ON)}$< 40 mΩ,V_{GS}= -4.5V

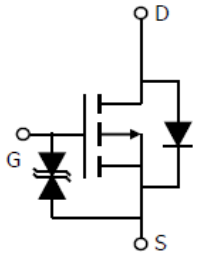
$R_{DS(ON)}$< 53 mΩ,V_{GS}= -2.5V

HF Product.

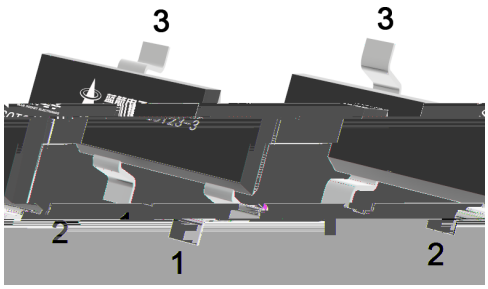
/ Applications

Load switch Battery protection.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 S PIN 3 D

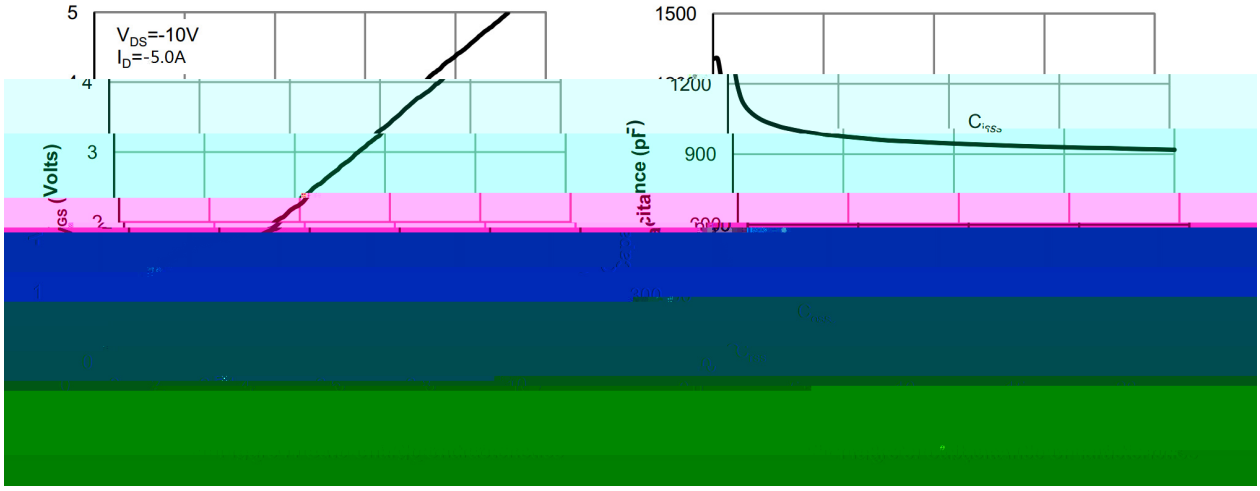
/ Marking

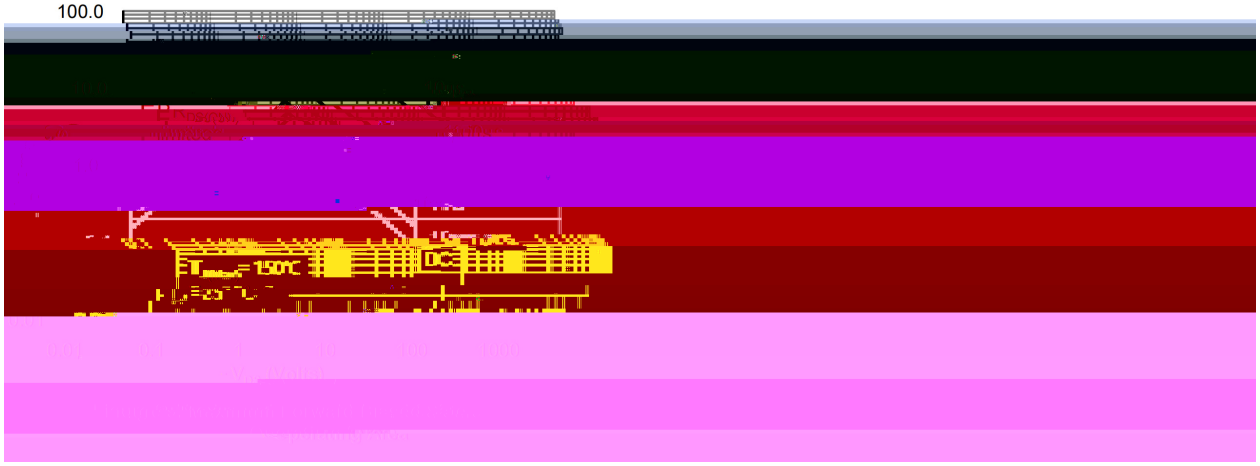
Marking	AFH

Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	-20	V
Gate-Source Voltage	V_{GS}	10	V
Drain Current-Continuous	I_D	-5.0	A
Drain Current-Pulsed	I_{DM}		

/ Electrical Characteristic Curve

/ Electrical Characteristic Curve





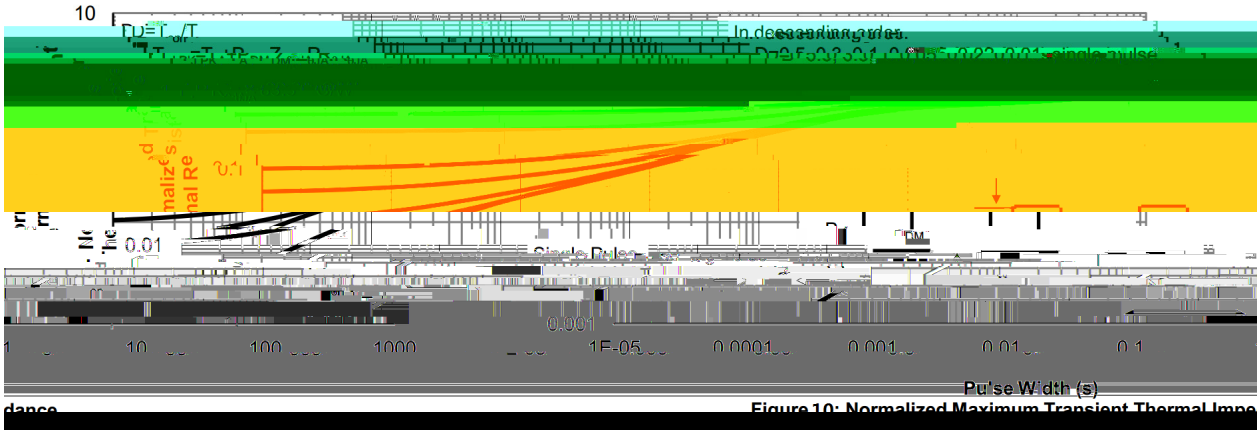
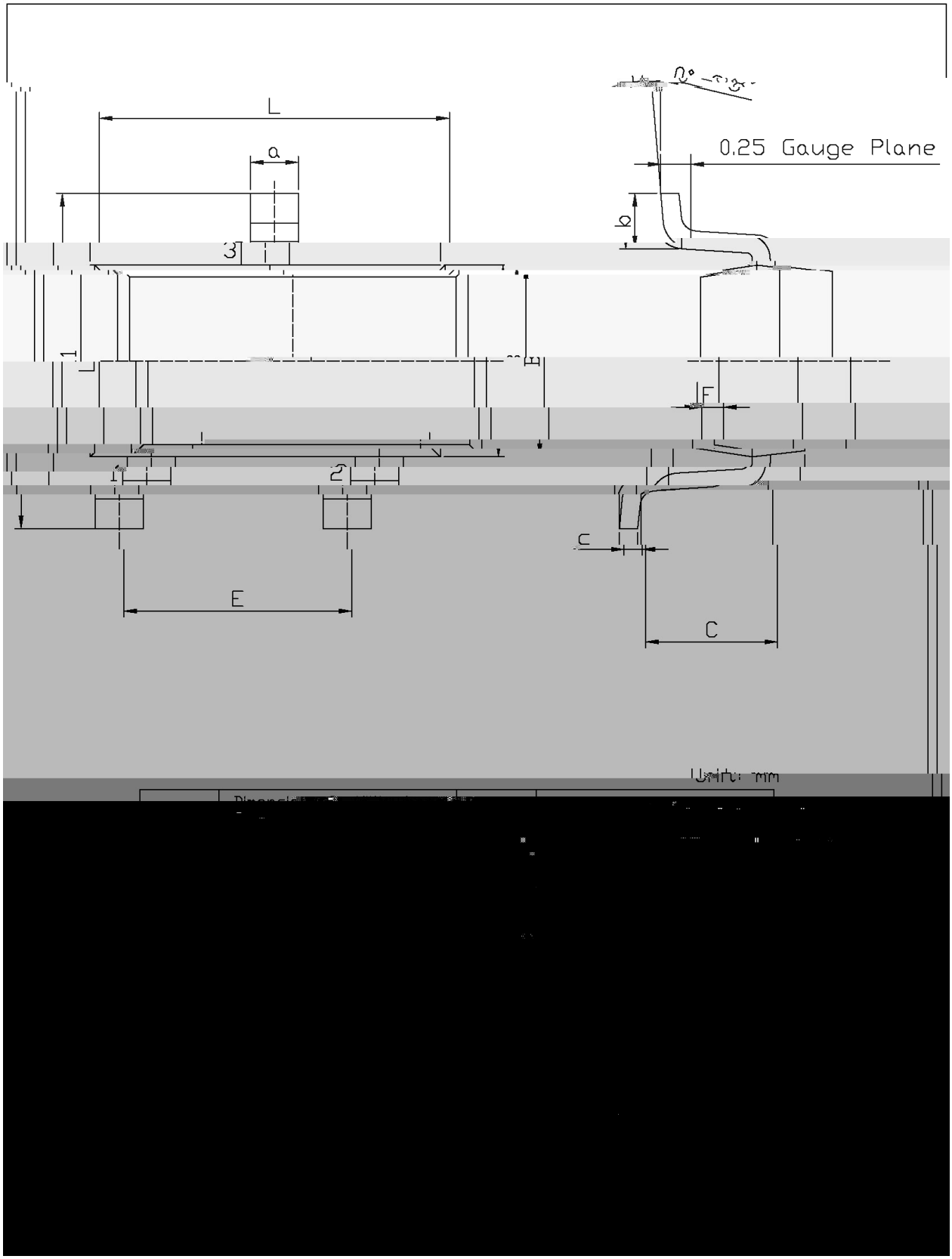
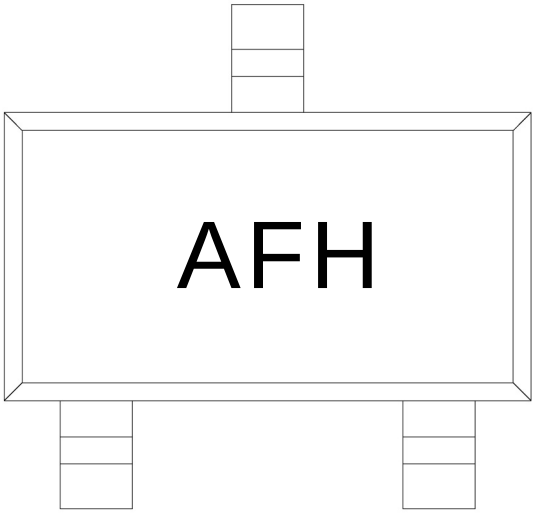


Figure 10: Normalized Maximum Transient Thermal Impe

/ Package Dimensions



/ Marking Instructions



H:

AF:

Note:

H:	Company Code
AF	Product Type Code

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

Note:

1 150 180 60 90sec;

2 245 5 5 0.5sec;

3 2 10 /sec.

1.Preheating:150~180 , Time:60~90sec.

2.Peak Temp.:245 5 , Duration:5 0.5sec.

3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260±5 Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type Units Dimension (unit mm