/ Descriptions

Silicon Diode in a SOT-23 Plastic Package.

/ Features

Fast Switching, High Conductance. HF Product.

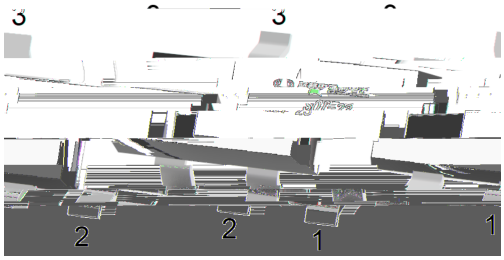
/ Applications

Small signal diode.

/ Equivalent Circuit



/ Pinning



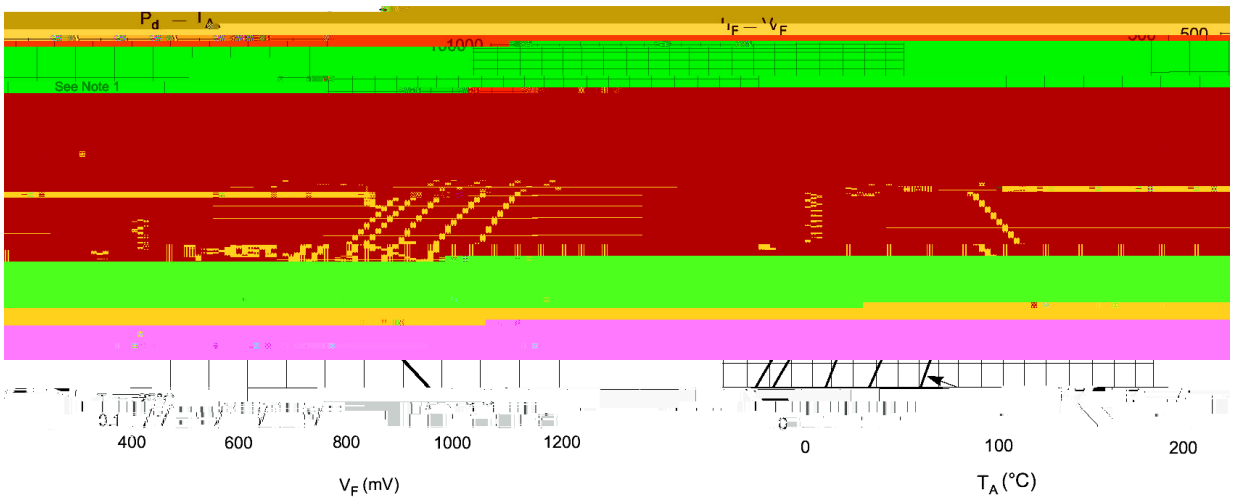
PIN: See Equivalent Circuit.

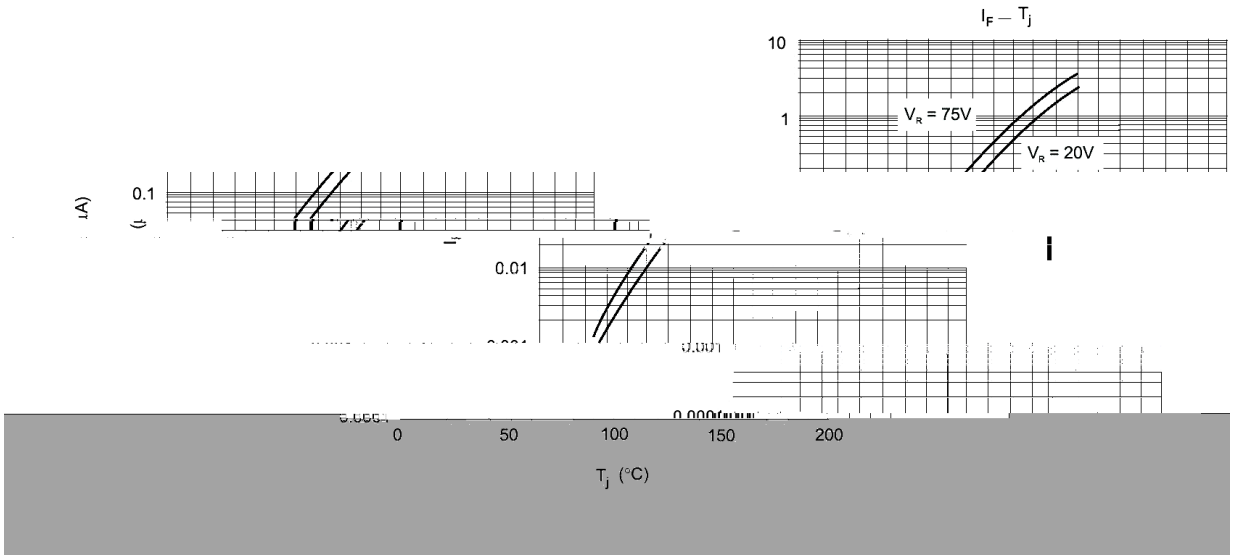
/ h_{FE} Classifications & Marking

Type	MMBD4148	MMBD4148SE	MMBD4148CC	MMBD4148CA
Marking	H5H	HD4	HD5	HD6

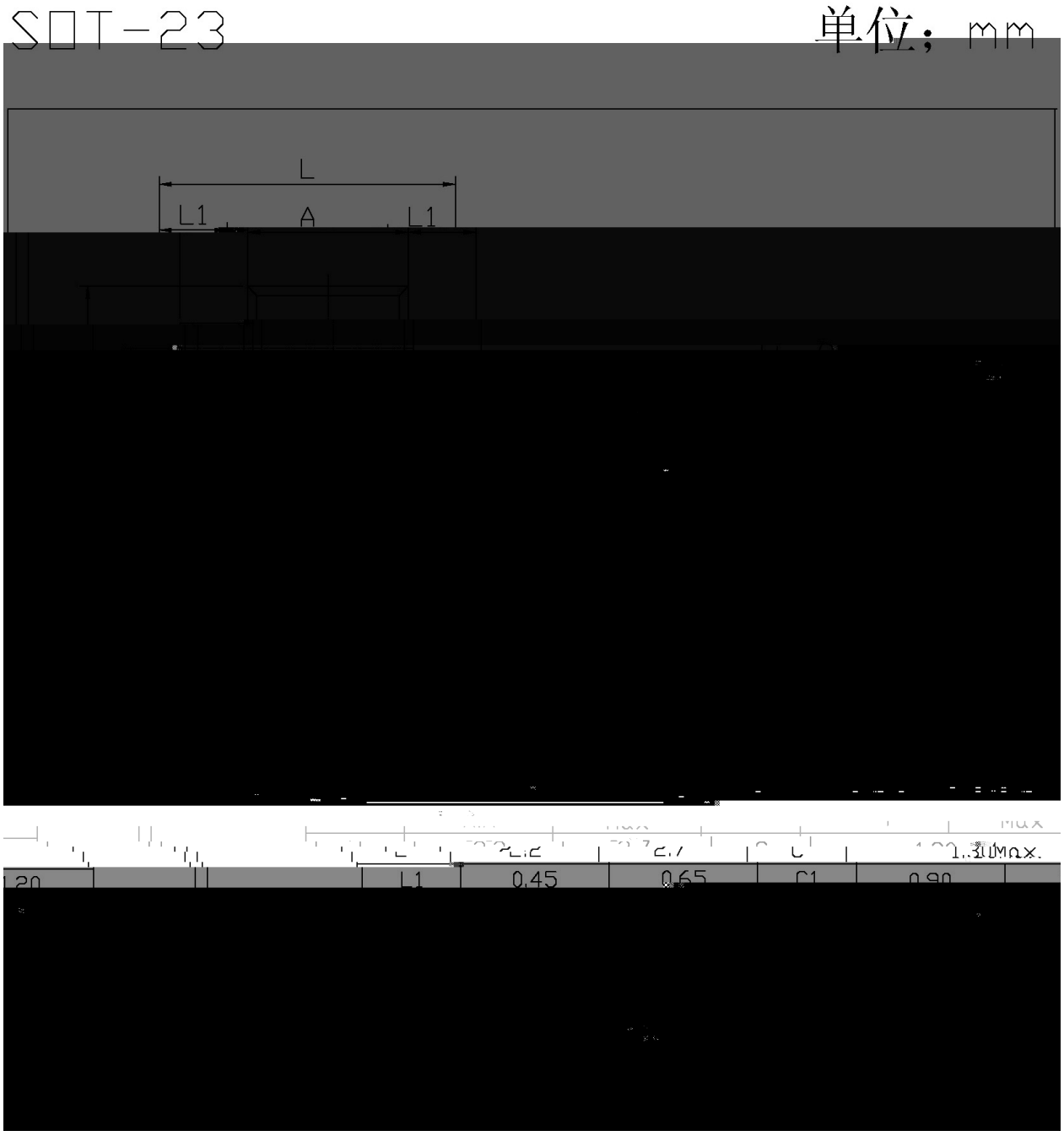
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current	I_{FSM}(PW=1.0S)	1.0	A
Non-repetitive Peak Forward Surge Current	I_{FSM}(PW=1.0μS)	2.0	A
Power Dissipation	PC	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	/W

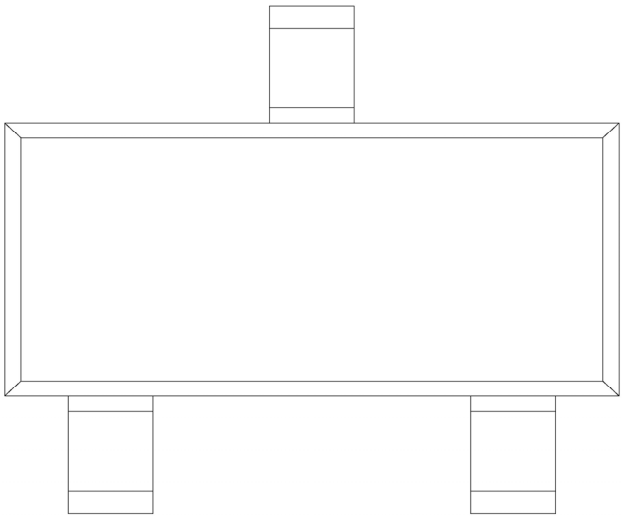
/ Electrical Characteristic Curve





/ Package Dimensions





( ) /

Note:

1 150 180 60 90sec;

2 245 5 5 0.5sec;

3

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

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