

/ Descriptions

SOT-23
Silicon Diode in a SOT-23 Plastic Package.

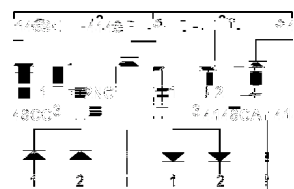
/ Features

Fast Switching, High Conductance. HF Product.

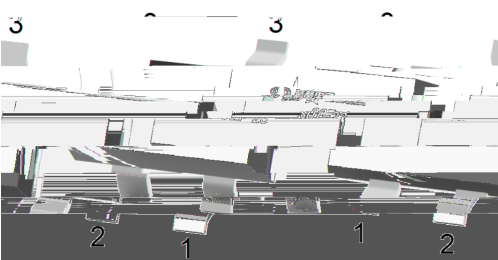
/ Applications

Small signal diode.

/ Equivalent Circuit



/ Pinning



PIN: See Equivalent Circuit.

/ hFE Classifications & Marking

Type	MMBD4148	MMBD4148SE	MMBD4148CC	MMBD4148CA
Marking	H5H	HD4	HD5	HD6

MMBD4148/SE/CC/CA

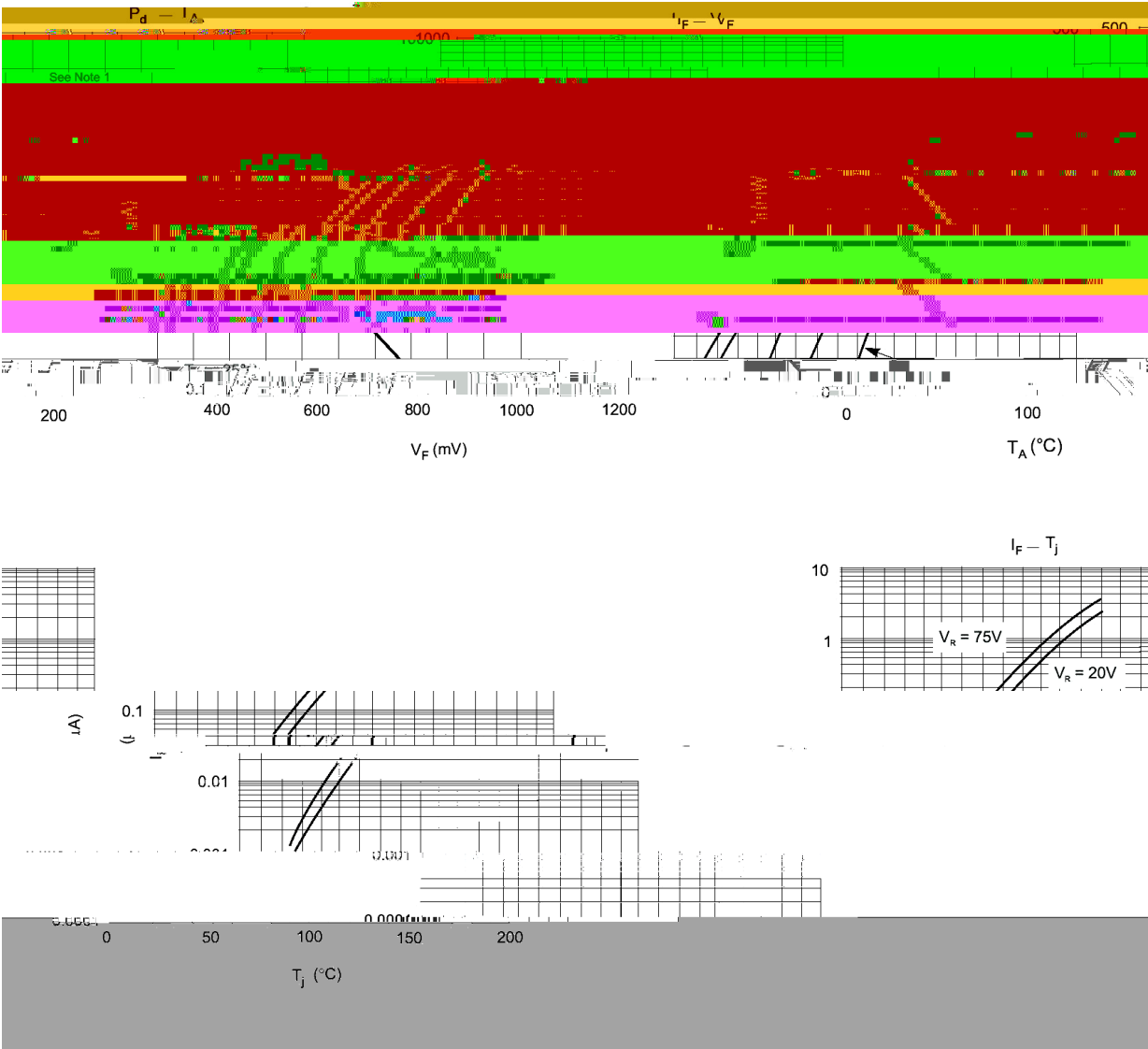
Rev.H Apr.-2026



DATA SHEET

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	$I_{FSM}(PW=1.0\mu S)$	2.0	A
Power Dissipation	PC	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	/W

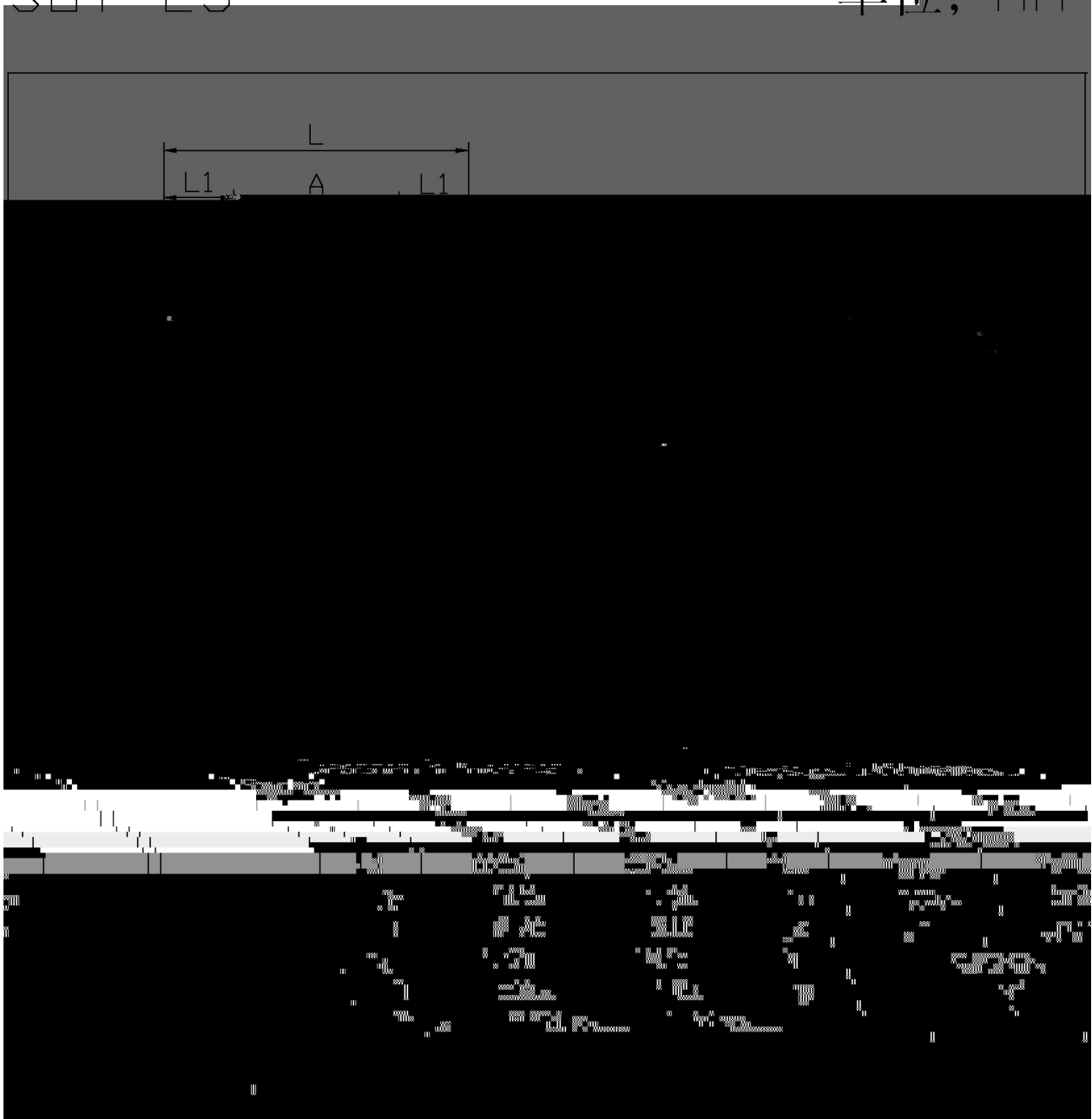
/ Electrical Characteristic Curve

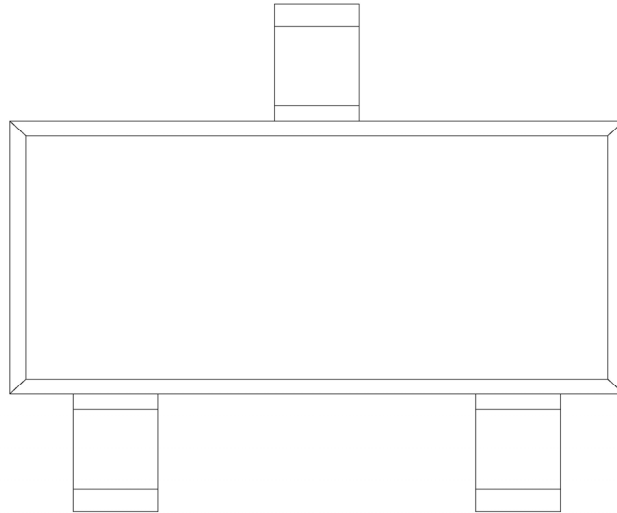


/ Package Dimensions

SOT-23

单位: mm





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- 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.