

BRMMBD4148Q/SEQ/CCQ/CAQ

Rev.A Aug.-2022



DATA SHEET

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描述 / Descriptions

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

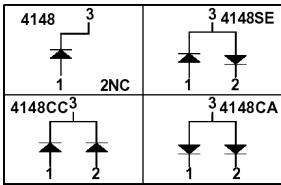
特征 / Features

AEC-Q101
Fast Switching, High Conductance, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

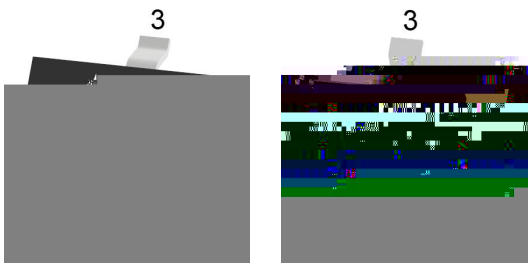
用途 / Applications

Small signal diode, Meet the stringent requirements of automotive applications.

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



PIN: See Equivalent Circuit.

印章代码 / Marking

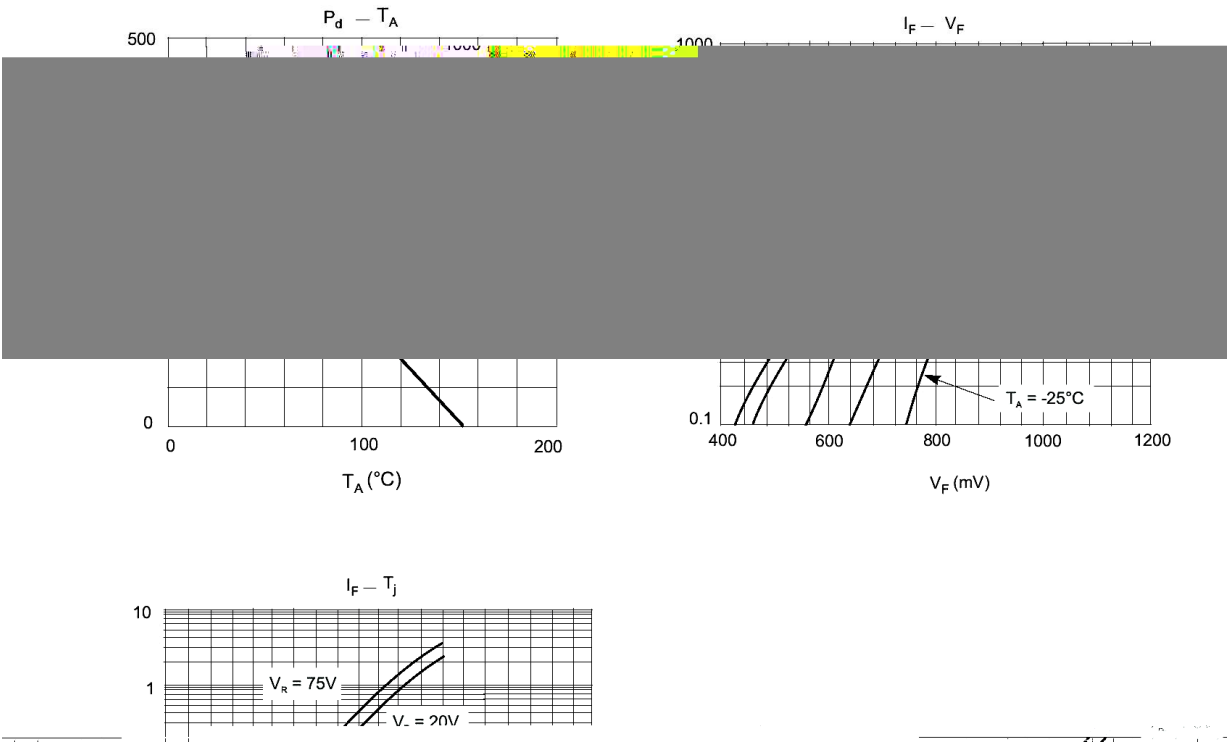
Type	BRMMBD4148Q	BRMMBD4148SEQ	BRMMBD4148CCQ	BRMMBD4148CAQ
Marking	Q5H	QD4	QD5	QD6



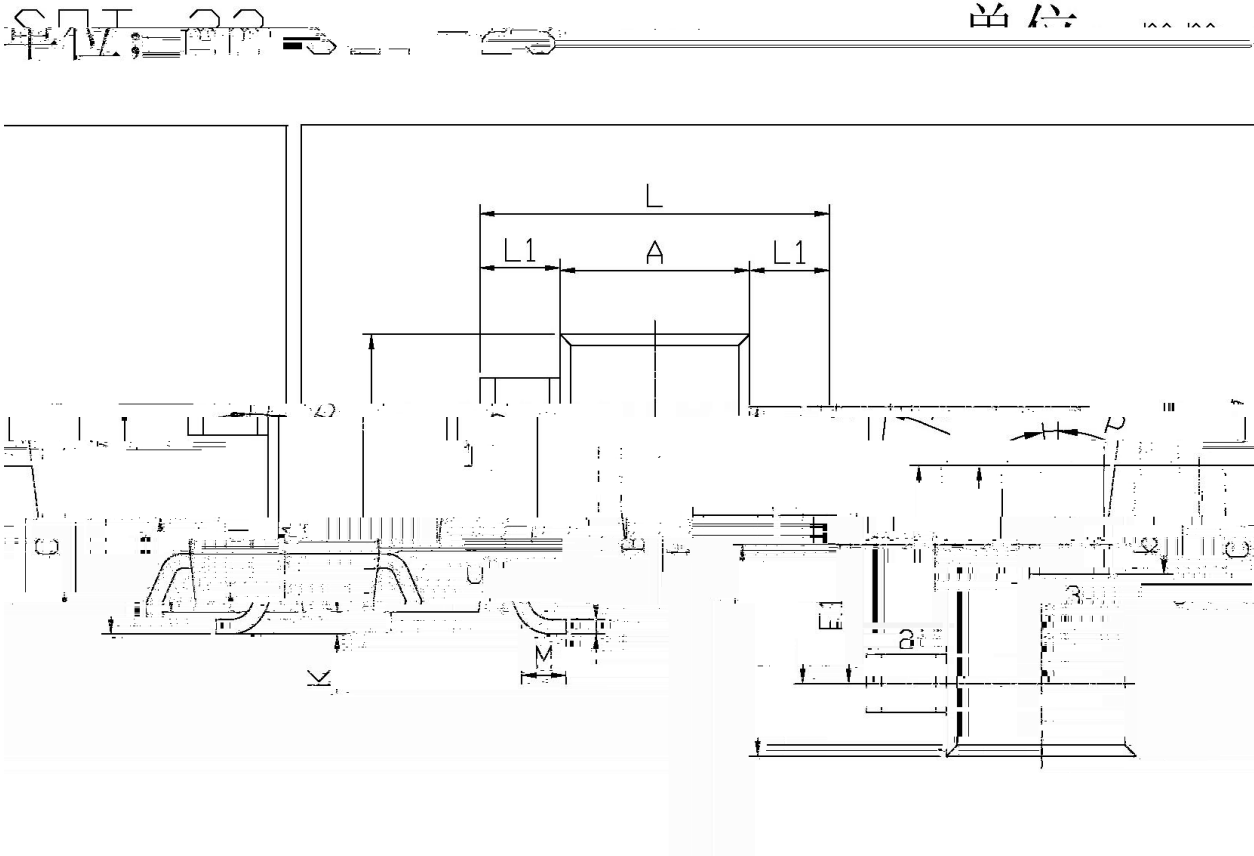
Parameter	Symbol	Rating	Unit
Repetitive Reverse Voltage	V_{RRM}	100	V
Average Rectified Forward Current	$I_{F(AV)}$	200	mA
Non-repetitive Peak Forward Surge Current	$I_{FSM}(PW=1.0S)$	1.0	A
Non-repetitive Peak Forward Surge Current	$I_{FSM}(PW=1.0\mu S)$	2.0	A
Power Dissipation	PC	350	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	357	$^{\circ}C/W$
Junction Temperature	T_j	150	$^{\circ}C$

Storage Temperature

电参数曲线图 / Electrical Characteristic Curve



外形尺寸图 / Package Dimensions

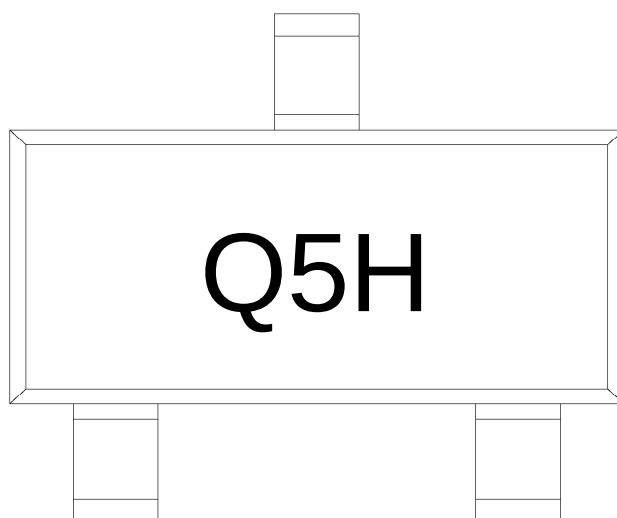


Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.10	K	0	0.10

0.45	0.65	0.45	0.65	0.45	0.65
1.05	1.05	1.05	1.05	1.05	1.05
0.55	0.55	0.55	0.55	0.55	0.55

0.45	0.65	0.45	0.65	0.45	0.65
1.05	1.05	1.05	1.05	1.05	1.05
0.55	0.55	0.55	0.55	0.55	0.55

印章说明 / Marking Instructions



Q

5H

Note:

Q: Automobile halogen-free product Code

5H: Product Type



回流焊温度曲线图(无铅) / Temperature Profile for IR Reflow Soldering(Pb-Free)