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BRMMBD4148Q/SEQ/CCQ/CAQ

Rev.A Aug.-2022

DATA SHEET

描述 / Descriptions

SOT-23

Silicon Diode in a SOT-23 Plastic Package.

特征 / Features

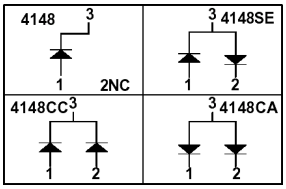
AEC-Q101

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

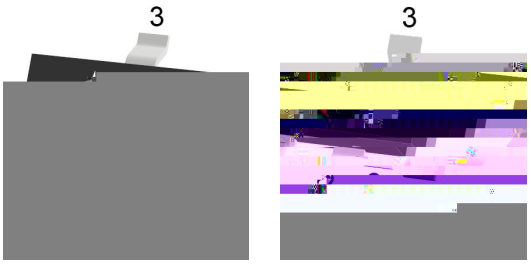
用途 / Applications

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

内部等效电路 / Equivalent Circuit



引脚排列 / Pinning



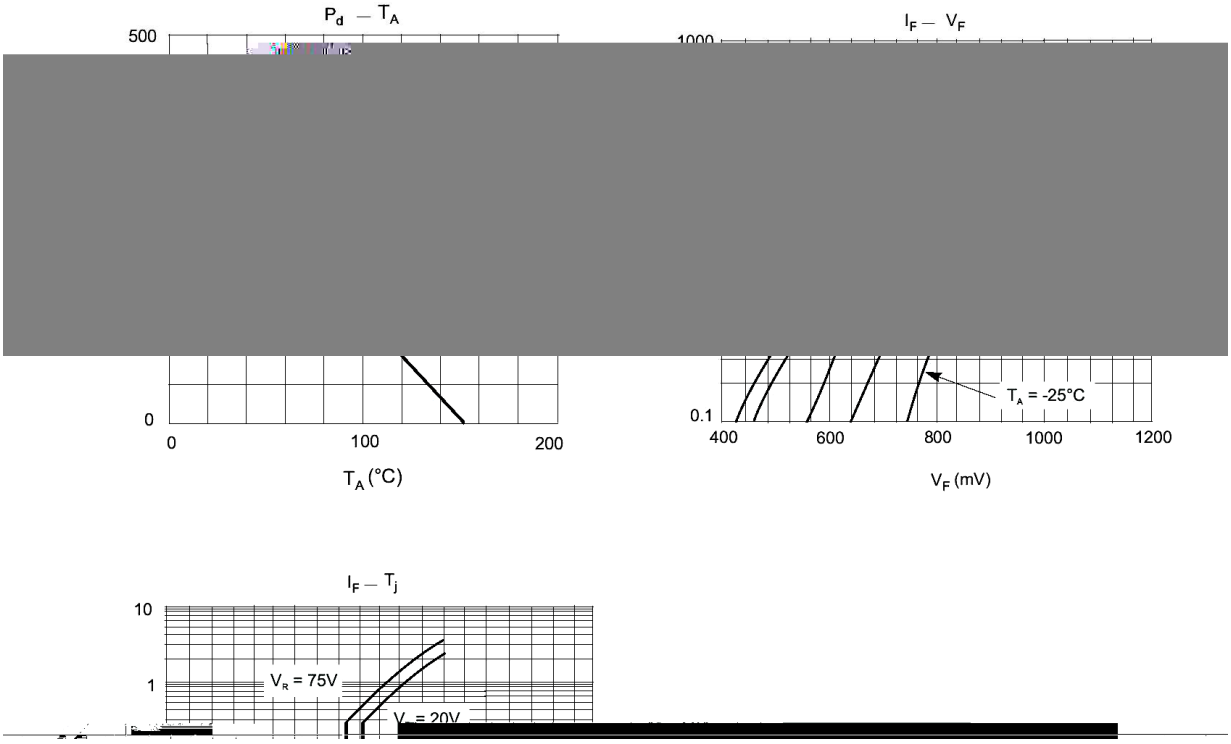
PIN: See Equivalent Circuit.

印章代码 / Marking

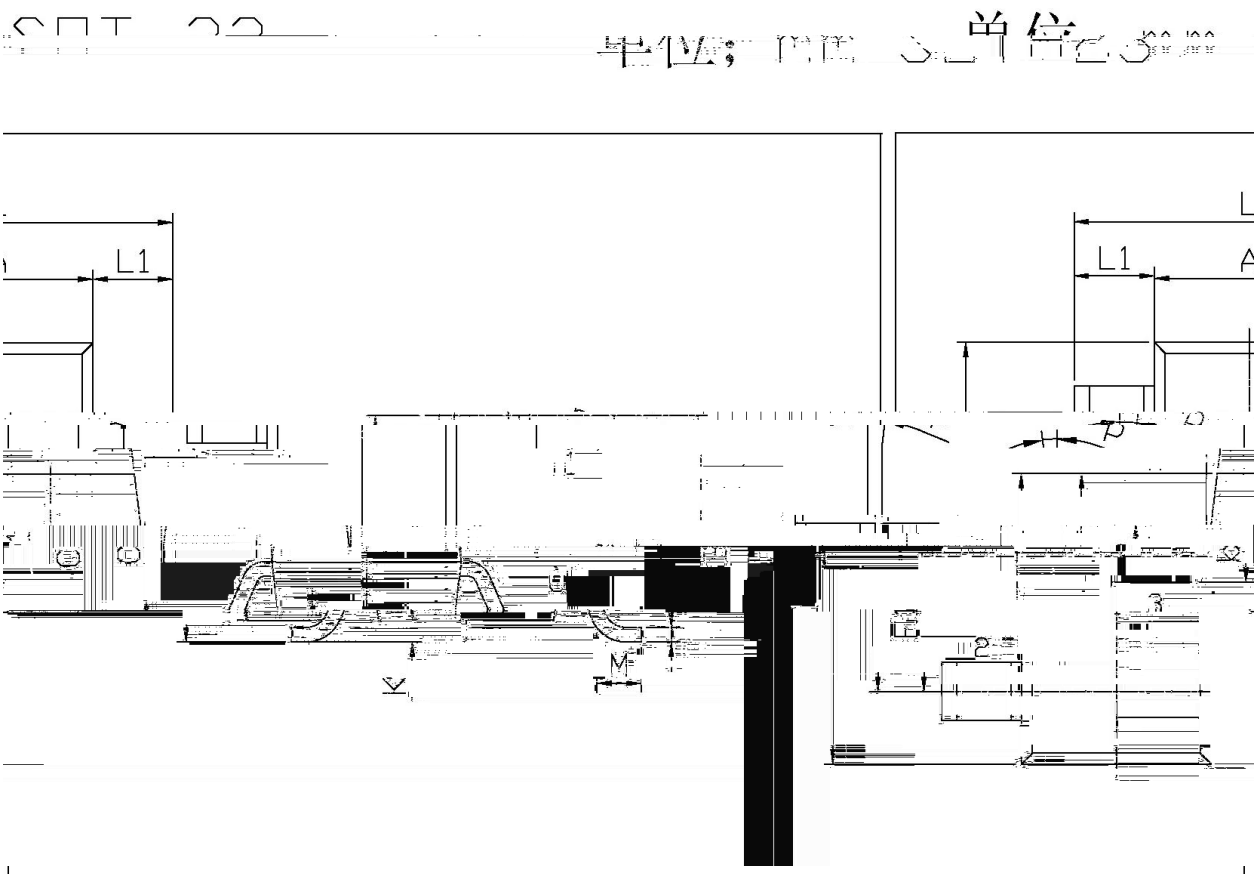
Type	BRMMBD4148Q	BRMMBD4148SEQ	BRMMBD4148CCQ	BRMMBD4148CAQ
Marking	Q5H	QD4	QD5	QD6

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=1.0μS)	2.0	A
Power Dissipation	PC	350	mW
Thermal Resistance, Junction to Ambient	[redacted]		℃/W
Junction Temperature	T_j	150	℃
Storage Temperature			

电参数曲线图 / Electrical Characteristic Curve

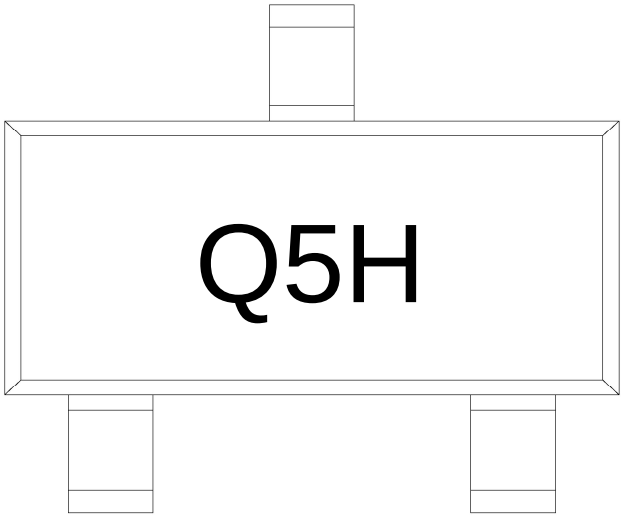


外形尺寸图 / Package Dimensions



Symbol	Dimensions In Millmeters		Symbol	Dimensions In Millmeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	

印章说明 / Marking Instructions



Note:

5H: Product Type

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