

# BRM1Q~BRM7Q

Rev.A Nov.-2024



DATA SHEET

BRM1Q~BRM7Q (Reverse Voltage 50 to 1000V, Forward Current: 1.0A)

Surface Mount General Purpose Silicon Rectifiers, Reverse Voltage 50 to 1000V, Forward Current: 1.0A, SMA package.

Lead free in comply with EU RoHS 2011/65

HF Product

Glass Passivated Chip Junction, Lead free in comply with EU RoHS 2011/65thoEU directives, For surface mounted applications, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

# BRM1Q~BRM7Q

Rev.A Nov.-2024

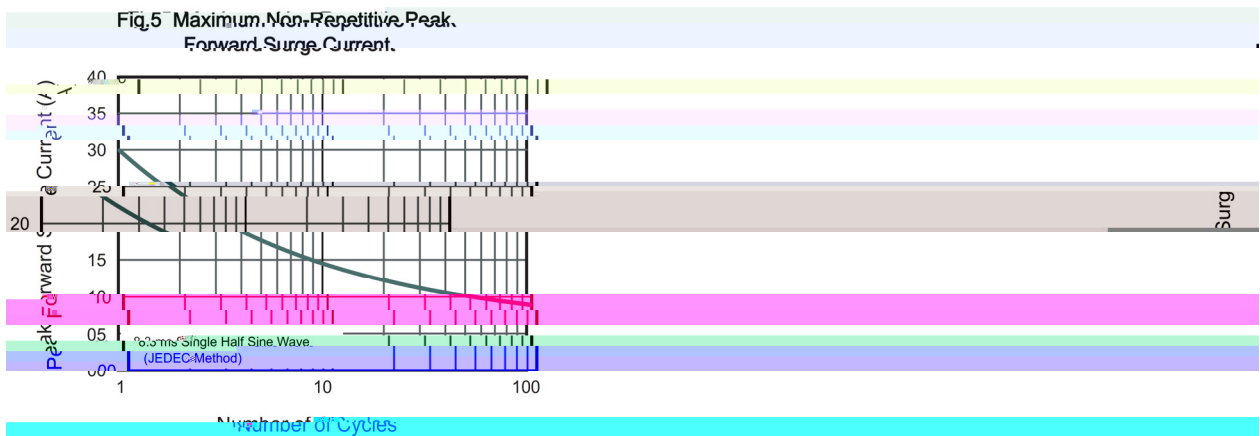
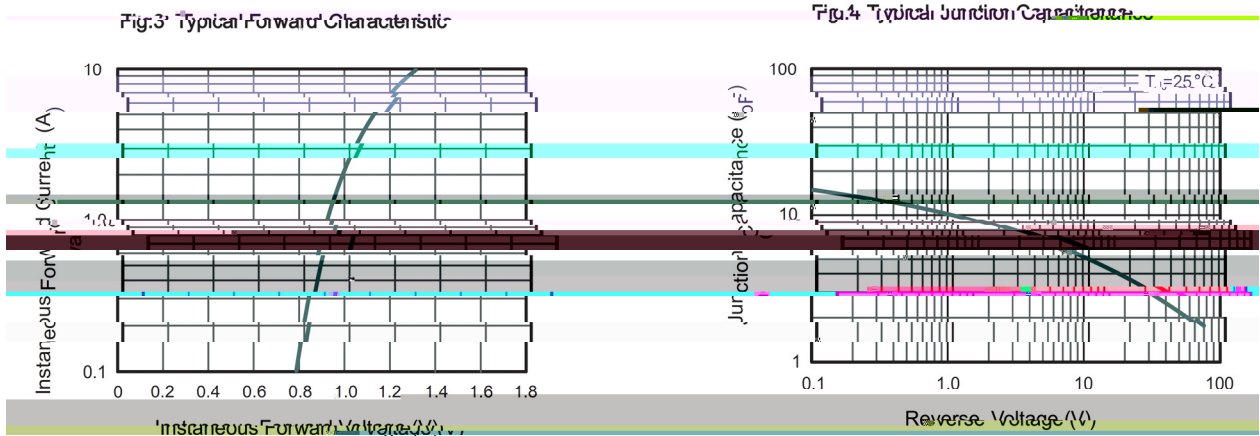
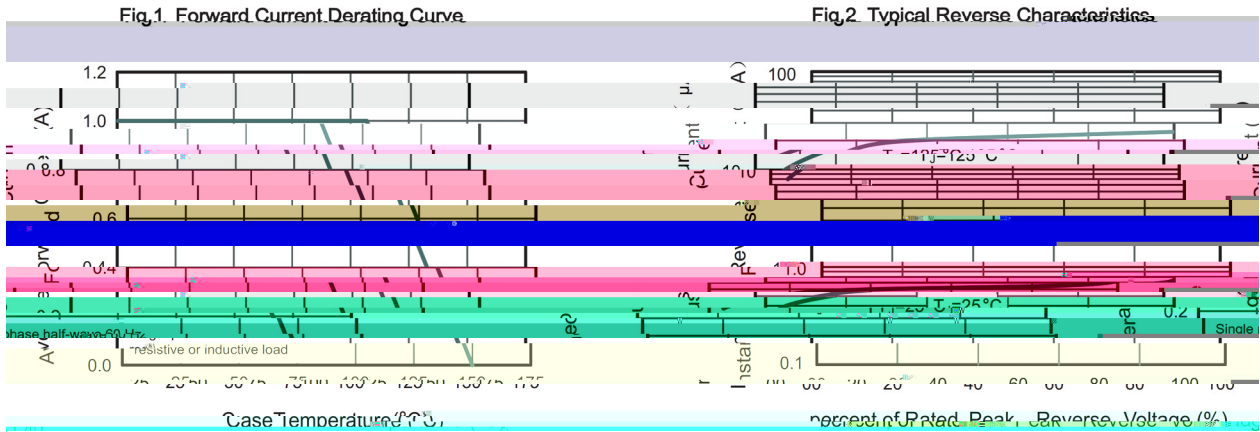


DATA SHEET

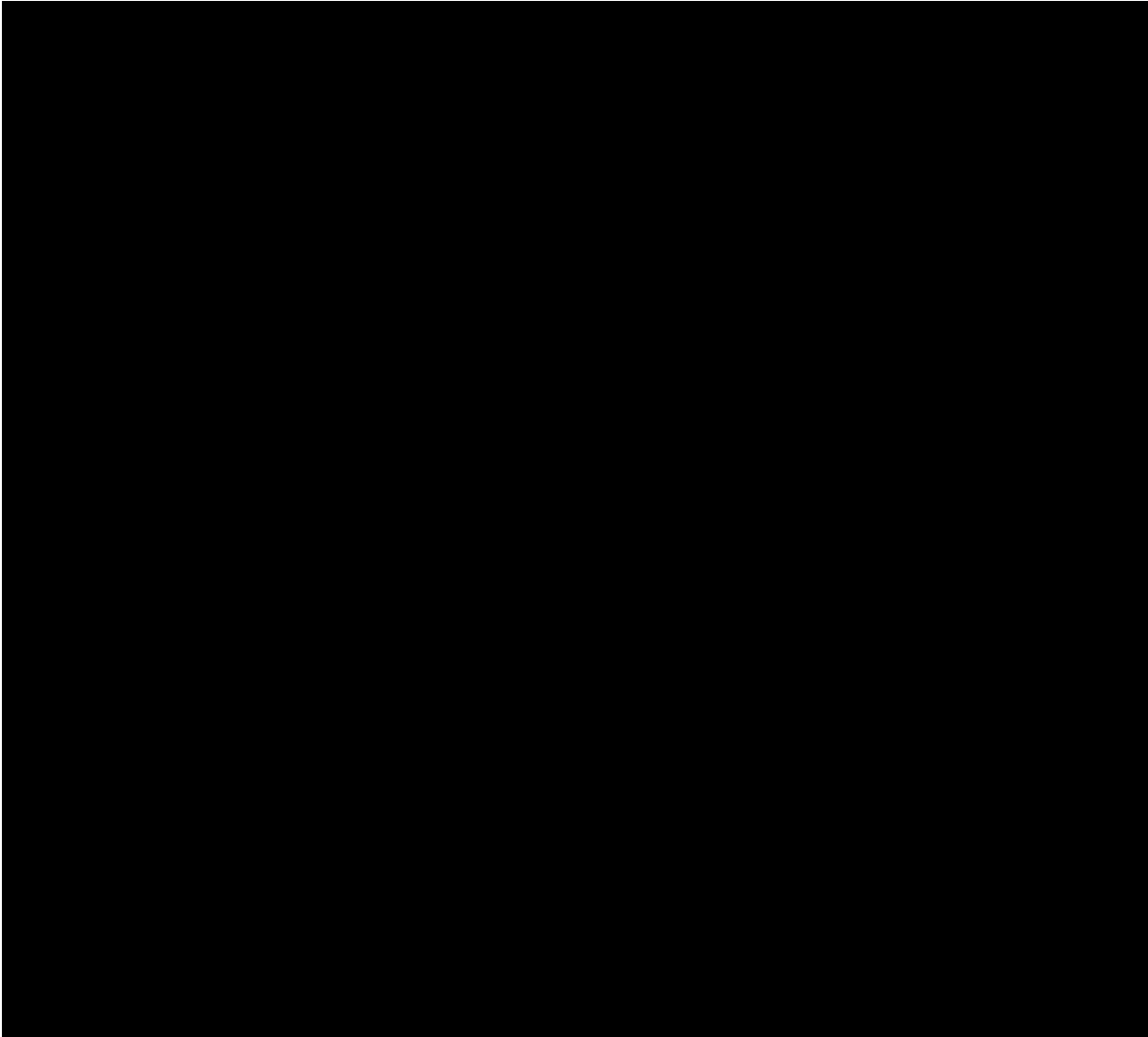
Parameter	Symbol	Rating							Unit
		BRM1Q	BRM2Q	BRM3Q	BRM4Q	BRM5Q	BRM6Q	BRM7Q	
Maximum Repetitive Peak Reverse Voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	$V_{DC}$	50	100	200	400	600	800	1000	V

Maximum Average  
Forward Rectified Current  
@ Fig.1

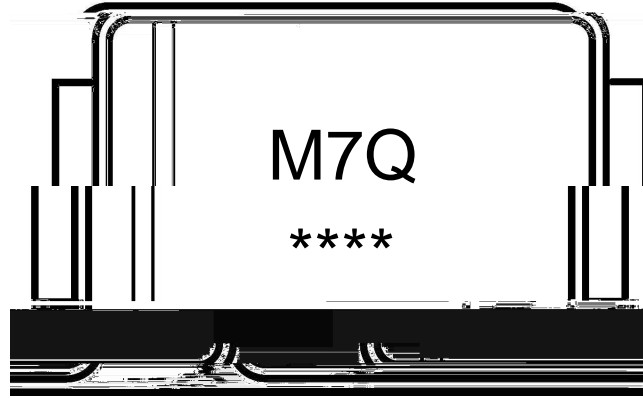
/ Electrical Characteristic Curve



**/ Package Dimensions**



**/ Marking Instructions**



D .

H

\*\*\*\*

Note:

D . Product Type Code

Q: Automobile halogen-free product Code

\*\*\*\* Lot No. Code, code change with Lot No

**Marking**

Type number	Marking code
BRM1Q	M1Q
BRM2Q	M2Q
BRM3Q	M3Q
BRM4Q	M4Q
BRM5Q	M5Q
BRM6Q	M6Q
BRM7Q	M7Q

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


**Note:**

- 1            150 200            60 120sec;    1.Preheating:150~200 , Time:60~120sec.
- 2            255..5                    5..0.5sec;    2.Peak Temp.:255..5 , Duration:5..0.5sec.
- 3                            2 10 /sec.            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 <sup>3</sup> )
--------------	-------	-----------	-------------------------