

BRM1Q~BRM7Q

Rev.A Nov.-2024



蓝箭电子
BLUE ROCKET ELECTRONICS

DATA SHEET

BRM1Q~BRM7Q

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

BRM1Q~BRM7Q

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

BRM1Q~BRM7Q

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

Fig.1 Forward Current Derating Curve

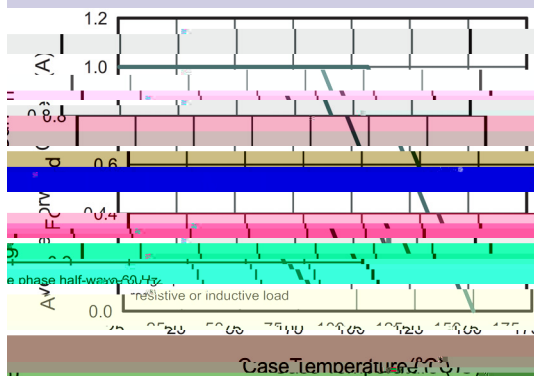


Fig.2 Typical Reverse Characteristics

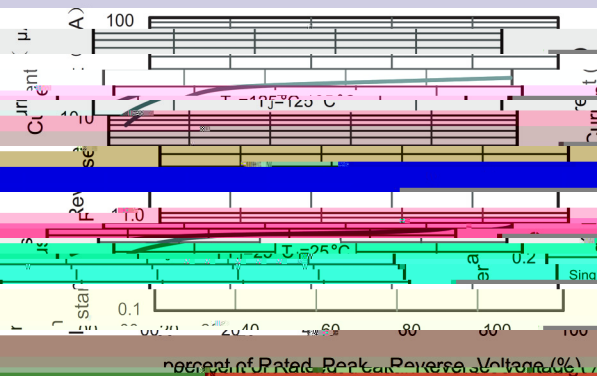


Fig.3 Typical Forward Characteristics

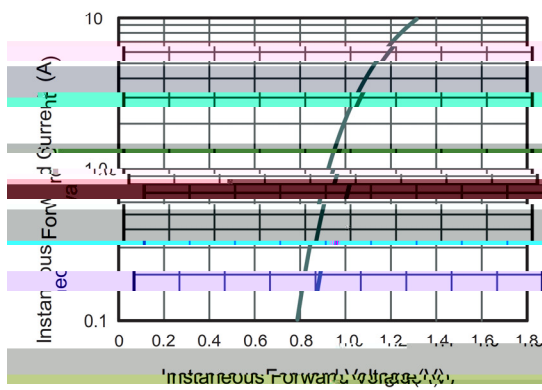


Fig.4 Typical Junction Capacitance

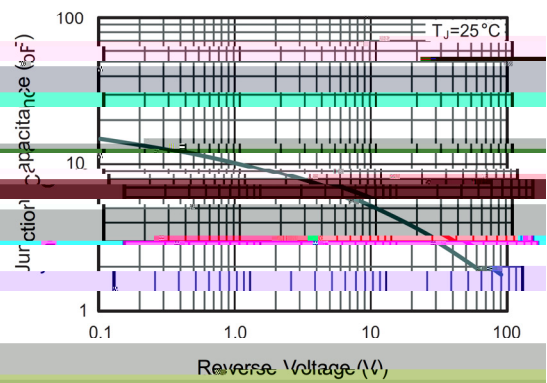
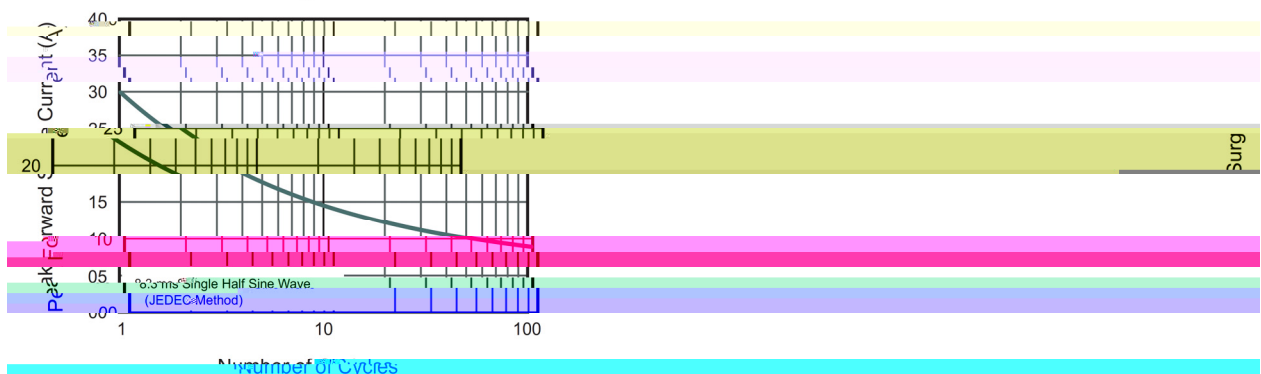
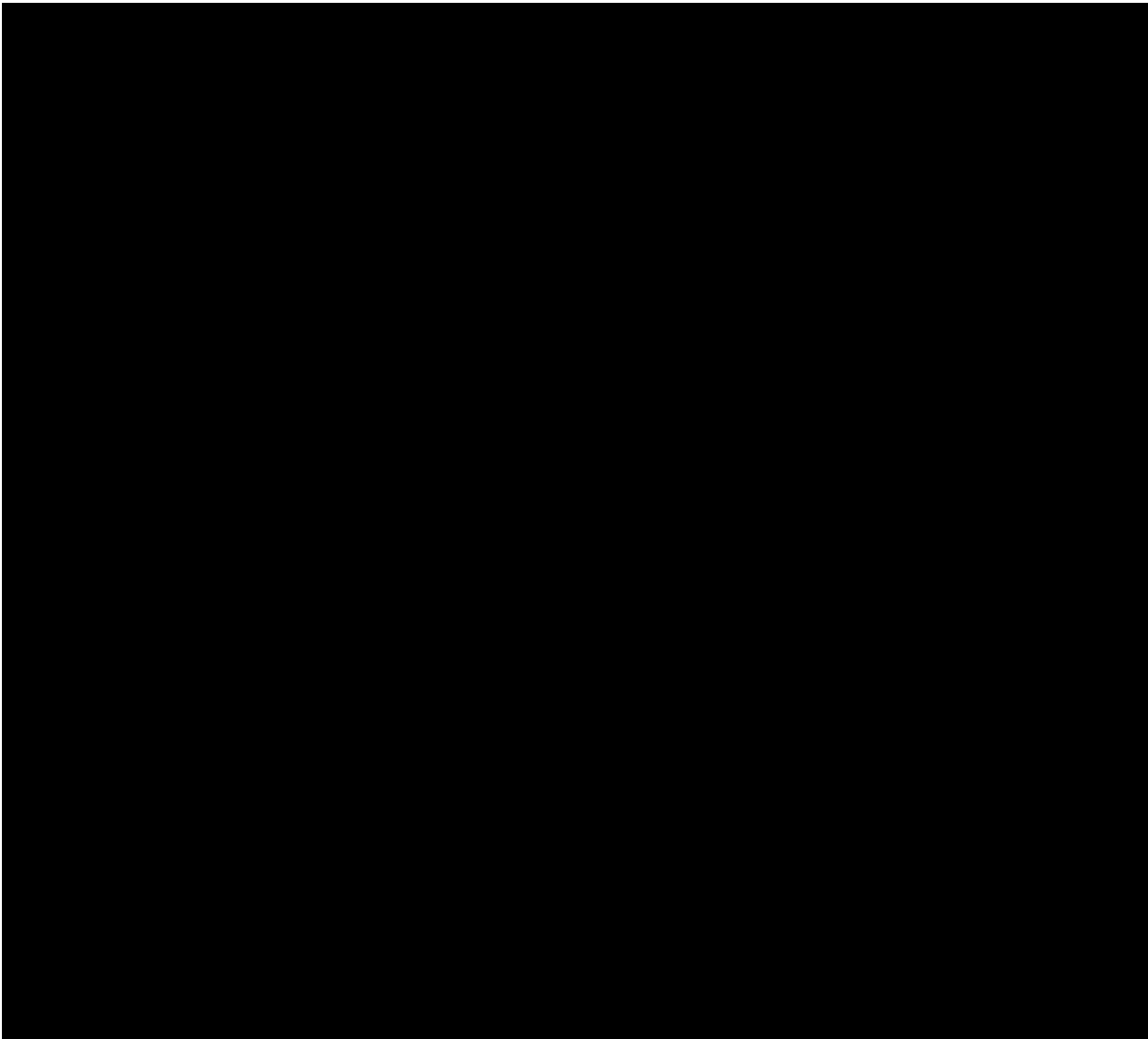


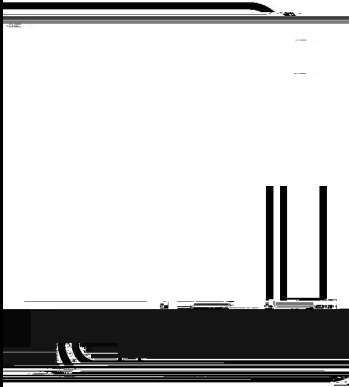
Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions



/ Marking



product Code

ge with Lot No

Marking code
M1Q
M2Q
M3Q
M4Q
M5Q
M6Q
M7Q

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

	X					Note:
1	♯ □	150	200	60	120sec;	1.Preheating:150~200 , Time:60~120sec.
2	□	255±5		Δ	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

□	χ 260±5	χ 10±1 sec.	Temp.:260±5	Time:10±1 sec
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/ Packaging SPEC.

/ REEL

Package Type	Units	Dimension	(unit mm ³)
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