˴ ˎ ˚ Ŀ ̃Ǫ ╚ ‖ ㄱ ı ɾ ᵇ ɔ я χ 83Y¢4333Y ı* ᵇ ɔ ╚ χ 4⁞3D ı V P D Ṃ Ŀ
Surface Mount General Purpose Silicon Rectifiers, Reverse Voltage χ 50 to1000V,Forward Current:1.0A ,SMA package.

ㅓ אַ ק ל ᑕ ı ή ؤ ㅓ ᵀ ℌ ` UrKV ˝Yɒ 53442982HX ı گ ŧ ˴ ˎ ˚ Ŀ ı ㅓ ᵀ DHF0T434 ‰ ´ ב ׀ ، ό ɭ ∂ ı ή ғ β
Glass Passivated Chip Junction, Lead free in comply with EU RoHS 2011/65ithoƐEU directives, For surface mounted applications, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

˜ ŧ ∪ ı ◗ ′ ∩ ح Ẕ ŧ ⊠ Ⱨ ɭ ∂

v Ѭ Parameter	ч N Symbol	Ѭ Ө Rating							D Ч 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

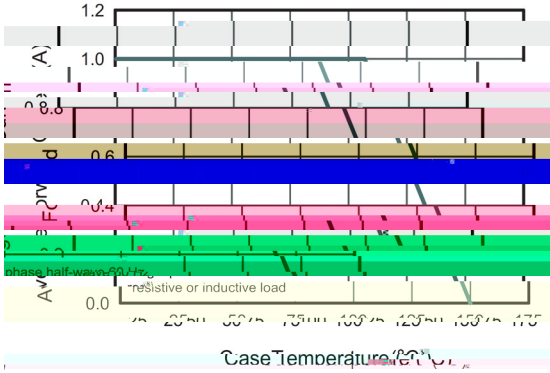


Fig.2 Typical Reverse Characteristics

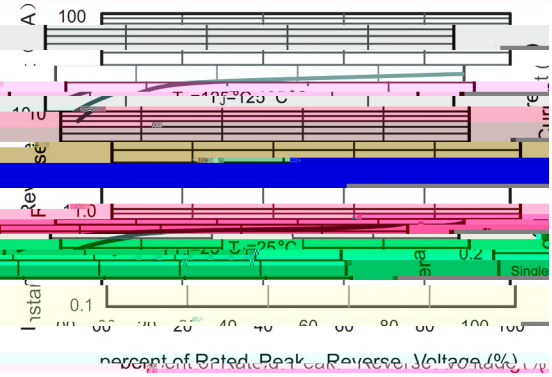


Fig.3 Typical Forward Characteristic

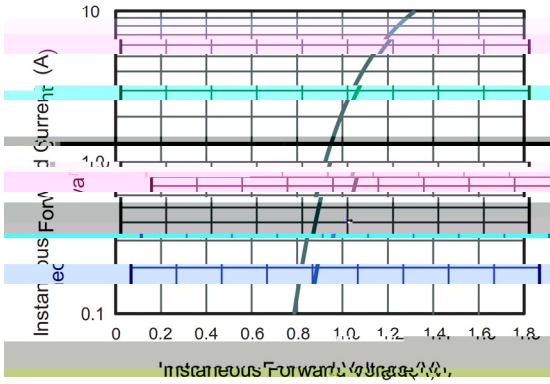


Fig.4 Typical Junction Capacitance

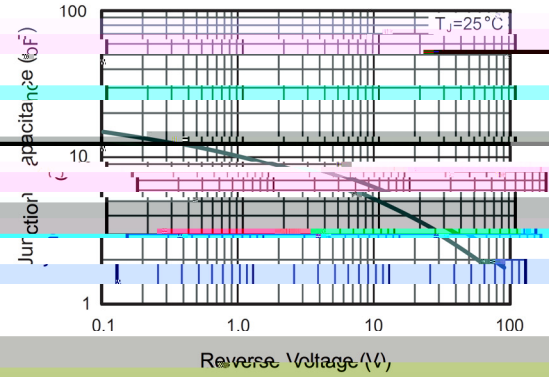
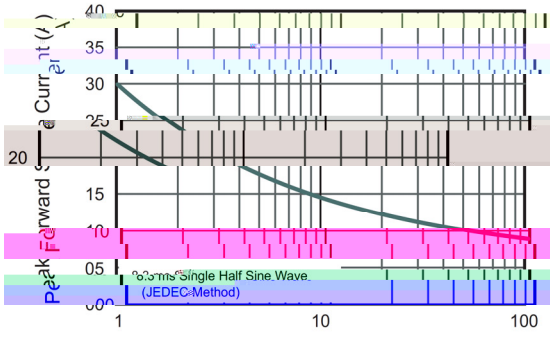


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions

/ Marking Instructions

ᵕ ̆ χ

P : χ ꟾ ʒ ᴺ Ր Ꮾ

T χ ꟾ ∩ ᴈ ṇ ꜰ β ‰ ⅋

**** χ ꟾ ꞁ ꜰ ṋ ᴺ Ր Ꮾ ꞁ ₿ ꞁ ꜰ ṋ ᴺ Ψ ᖘ

Note:

P : χ Product Type Code

Q: Automobile halogen-free product Code

**** χ 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)

ب ˝ χ

1 Ĺ ♬ □ ỷ 150 Ḱ 200 ɬ ı `H ڑ 60 Ḱ 120sec;

2 Š Ө □ ỷ 255 ° 5 ɬ ı `H ڑ 'Y ʌ ʁ 5 ° 0.5sec;

3 ì ˙ ٢ ˛ ɔ ♨ ỷ ʁ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:150~200 ɬ , Time:60~120sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3. Cooling Speed: 2~10 ɬ /sec.

/ Resistance to Soldering Heat Test Conditions

□ ỷ χ 260 ° 5 ɬ	`H ڑ χ 10 ° 1 sec.	Temp.:260±5	Time:10±1 sec

/ Packaging SPEC.

ი ` ɣ Ь / REEL

Package Type	Units	Dimension	(unit mm³)