ˊ ˏ ˚ Ŧ ⸗ ᵍ Ǫ̃ ⸙ ‖ ˥ ı ɾ ᵇ ɔ я χ 433Y ı* ᵇ ɔ ⸙ χ 513D ı ʅ ʒ SMAF Ṃ Ŧ

Surface Mount Schottky Barrier Rectifier, Reverse Voltage˙ 100V, Forward Current:2.0A ,SMAF thin package.

Ḥ ı ǟ ı ɹ ɷ̃ ' ı* ᵇ ⸗ ⸙ ɔ ⸙ ᶻ ı ʛ ɾ̃ ̂ ̂ Ḥ я ɹ ɭ ʛ̃ ψ ʜ ᵓ ‖ ớ ʒ ï ı ˊ ˏ ˚ Ŧ ı ṇ̀ ƒ ᵝ

Low power loss, high efficiency, High forward surge current capability, For use in low voltage, high frequency inverters, and polarity protection applications,For surface mounted applications,HF Product.

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General purpose.

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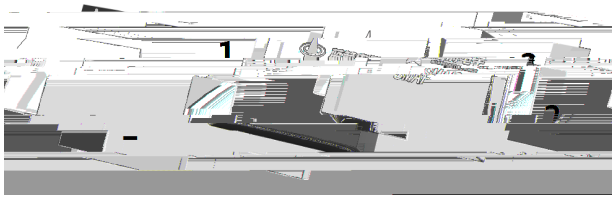
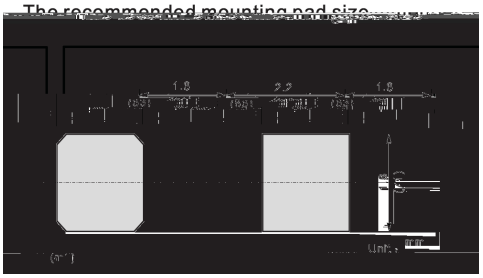


PIN	DESCRIPTION
1	Cathode
2	Anode



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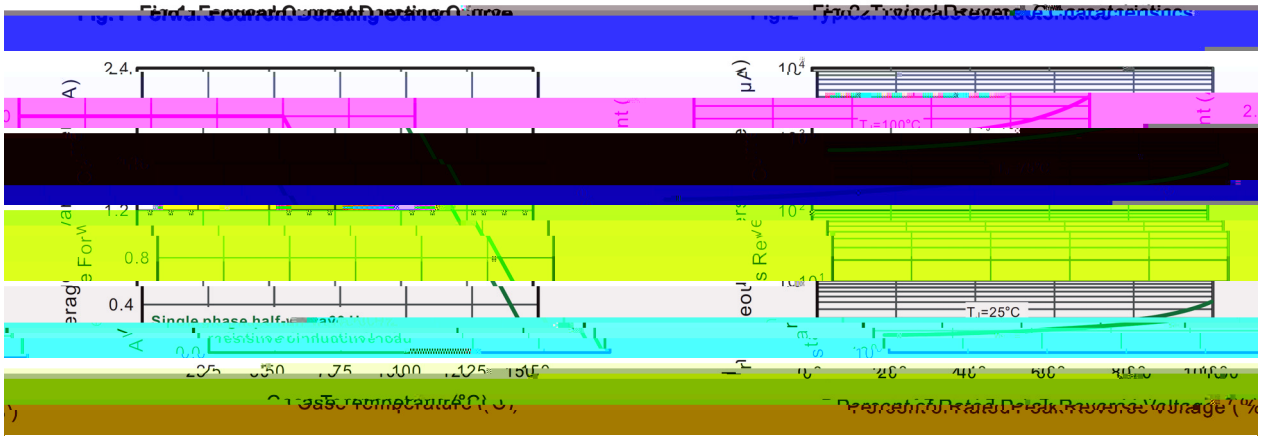
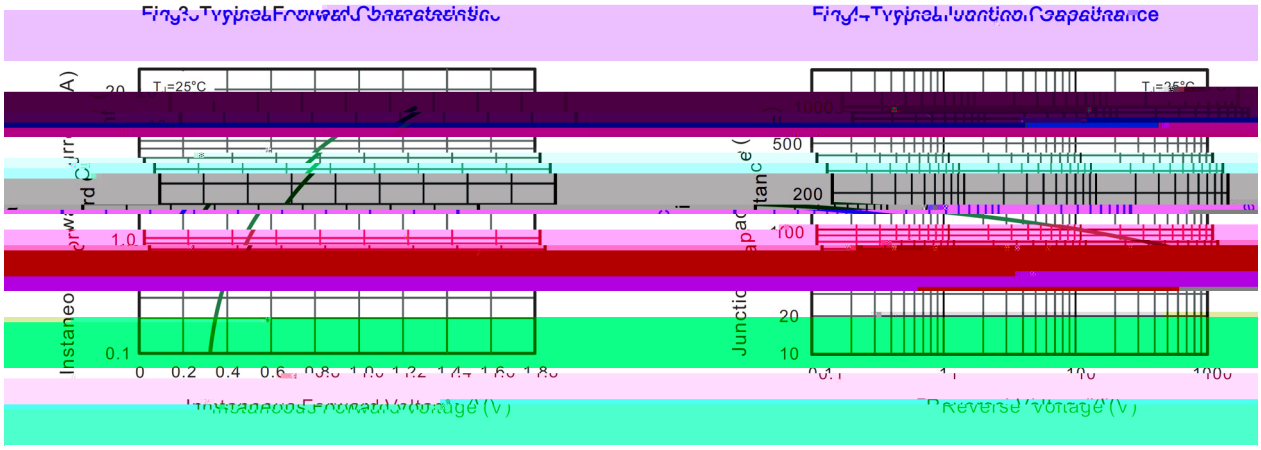
See Marking Instructions.

v ¨Ω Parameter	ϒ N Symbol	¨Ω Ö Rating	D Ч Unit
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	100	V
Maximum RMS voltage	V_{RMS}	70	V





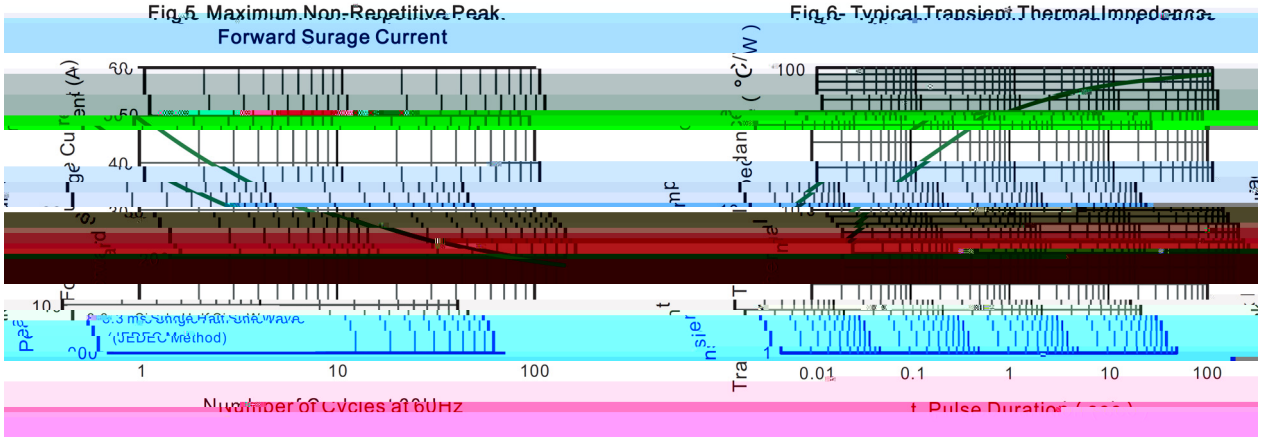
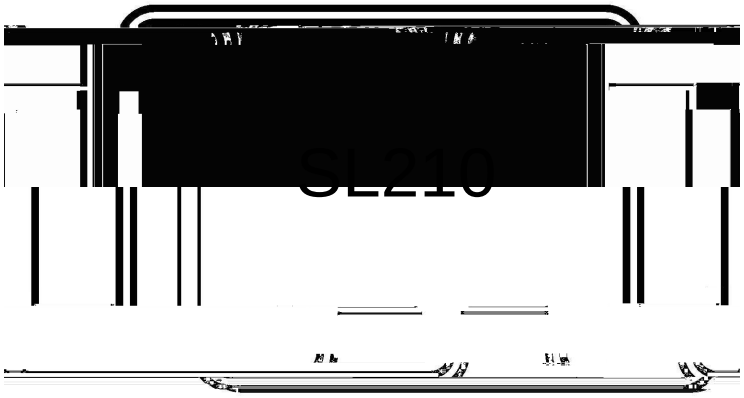


Fig.5 Maximum Non-Repetitive Peak
Forward Surage Current
Fig.6- Typical Transient Thermal Impedance



ب ˝ χ

V0543 χ ѭ ʒ ᴺ Ɱ

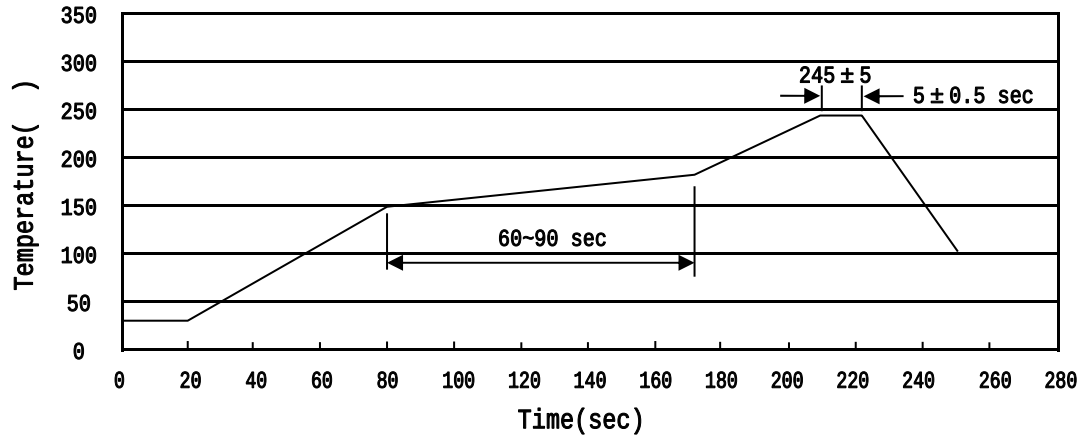
χ ѭ ɨ ɾ ŋ̈ ᴺ Ɱ ɪ ɞ ɨ ɾ ŋ̈ ᴺ Ψ ɾ

Note:

V0543 χ Product Type Code

χ Lot No. Code, code change with Lot No

Temperature Profile for IR Reflow Soldering(Pb-Free)



ب ˝ χ

1 ℓ ♬ □ ỷ 150 Ḱ 180 ł ı `H ڑ 60 Ḱ 90sec;

2 Š Ö □ ỷ 245°5 ł ı `H ڑ ˙Y ⅄ ⅉ 5°0.5sec;

3 ì ˙ ⅄ ˛ ɔ ⱻ ỷ ⅉ 2 Ḱ 10 ł /sec.

Note:

1.Preheating:150~180 ł , Time:60~90sec.

2.Peak Temp.:245°5 ł , Duration:5°0.5sec.

3. Cooling Speed: 2~10 ł /sec.

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

ɔ` γ ⊢ / REEL

Package Type	Units					Dimension (unit mm³)		
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SMAF	3,000	5	15,000	6	90,000	7 ρ ×12	185×180×105	390×385×205