

Features

- Average Forward Current:I_{F(AV)}=2A
- Polarity: Color band denotes cathode

Package Marking and Ordering Information

| Product ID | Pack | Marking | Qty(PCS) | | | |
|------------|-------------------|---------|----------|--|--|--|
| ES2A-ES2J | SMA (DO-214AC) | ES2x | 2000 | | | |

x: From A-J



(DO-214AC)



Maxmim Ratings (Ta=25 unless otherwise noted)

| | | | | ES2 | | | | | | | | | |
|---|----------------------------------|------|---|------------|-----|-----|-----|-----|-----|-----|-----|--|--|
| Item | Symbol | Unit | Test Conditions | Α | В | С | D | Е | G | Н | J | | |
| Repetitive Peak Reverse Voltage | V _{RRM} | V | | 50 | 100 | 150 | 200 | 300 | 400 | 500 | 600 | | |
| Maximum RMS Voltage | V _{RMS} | V | | 35 | 70 | 105 | 140 | 210 | 280 | 350 | 420 | | |
| Average Forward Current | I _{F(AV)} | A | 60Hz Half-sine wave , Resistance load,Ta=110 ℃ | 2.0 | | | | | | | | | |
| Surge(Non-repetitive)Forward Current | I _{FSM} | A | 60Hz Half-sine wave, 1 cycle,Ta=25℃ | 50 | | | | | | | | | |
| Operation Junction and Storage Temperature Range | T _J ,T _{STG} | Ĉ | | -55 ~ +150 | | | | | | | | | |

Electrcal Charcteristics (Ta=25 unless otherwise specified)

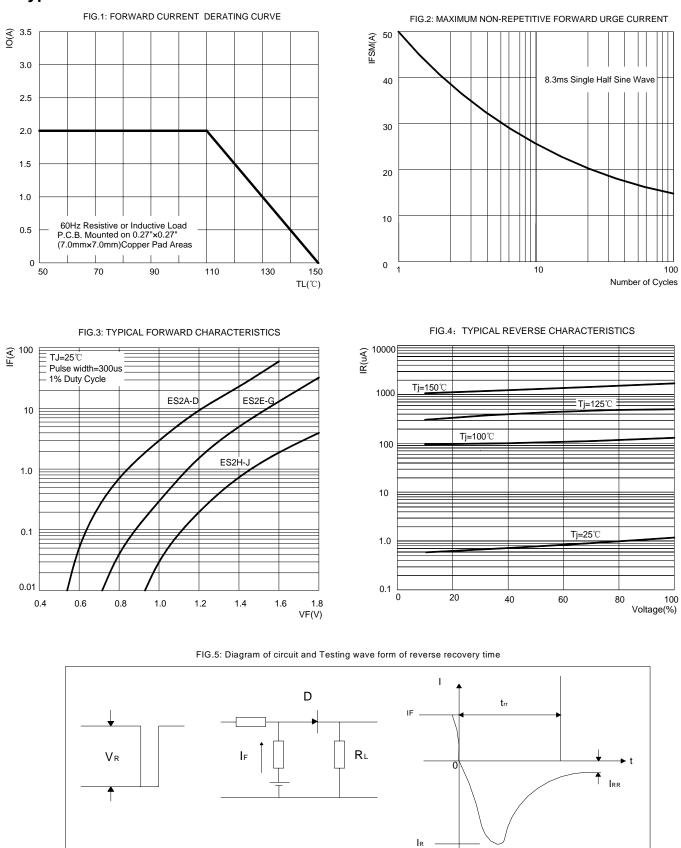
| | | | | | | ES2 | | | | | | | | |
|----------------------------------|--------------------|------|---------------------------------------|-----------------|-----|-----|---|------|---|-----|---|---|--|--|
| ltem | Symbol | Unit | Test Condition | | | В | С | D | Е | G | Η | J | | |
| Peak Forward Voltage | V _F | V | I _F =2 | 0.95 | | | | 1.25 | | 1.7 | | | | |
| Maximum reverse recovery time | trr | ns | I _F =0.5A,I _R = | 35 | | | | | | | | | | |
| Peak Reverse Current | I _{RRM1} | | V _{RM} =V _{RRM} | Ta=25℃ | 5.0 | | | | | | | | | |
| | I _{RRM2} | μA | | Ta=100℃ | 100 | | | | | | | | | |
| Thermal | $R_{\theta_{J}-A}$ | °C/W | Between juncti | ion and ambient | 75 | | | | | | | | | |
| Resistance(Typical) | $R_{\theta J - L}$ | 0,11 | Between junction and terminal | | | 20 | | | | | | | | |

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.27" x 0.27" (7.0 mm x 7.0 mm) copper pad areas

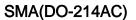


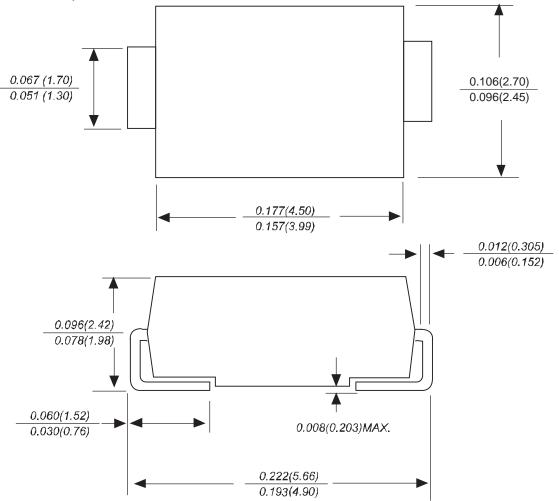
Typical Characteristics





Package Outline Dimensions





Dimensions in inches and (millimeters)



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