ES2A THUR ES2J



ES2A THUR ES2J Super-Fast Surface Mount Rectifiers

General description

Super-Fast Surface Mount Rectifiers Reverse Voltage: 50 to 600V Forward Current: 2.0A

SMB/DO214AA package

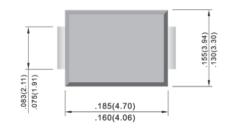
FEATURES

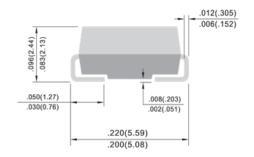
- The plastic package carries Underwriters Laboratory
- Flammability Classification 94V-0
- · For surface mounted applications
- Low reverse leakage
- · Built-in strain relief ideal for automated placement
- · High forward surge current capability
- · High temperature soldering guaranteed
- 250 °C/10 seconds at terminal

MECHANICAL DATA

- Case: JEDEC DO-214AA molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750, Method 2026
- · Polarity: Color band denotes cathode end
- · Mounting Position: Any
- Weight: 0.005 ounce, 0.138 gram

SMB/DO-214AA





Unit: inch (mm)

Maximum Ratings & Thermal Characteristics (Ratings at 25°C ambient temperature unless otherwise specified.)

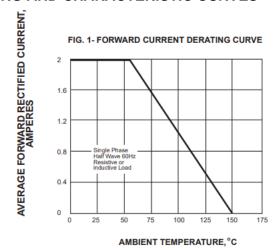
Characteristic	Symbol	ES2A	ES2B	ES2C	ES2D	ES2E	ES2G	ES2J	Unit
Marking Code	Mark	ES2A	ES2B	ES2C	ES2D	ES2E	ES2G	ES2J	N/A
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	VRRM VRWM VR	50	100	150	200	300	400	600	٧
RMS Reverse Voltage	VR(RMS)	35	70	105	140	210	280	420	V
Average Rectified Output Current @T _L = 75°C	lo	2.0							Α
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50						А	
Forward Voltage @I _F = 3.0A	VFM	0.95 1.25				25	1.7	V	
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	lгм	5.0 50							μA
Reverse Recovery Time (Note 1)	trr	35							nS
Typical Junction Capacitance (Note 2)	Cj	60							pF
Typical Thermal Resistance (Note 3)	RJL	40							°C/W
Operating and Storage Temperature Range	Тj, Tsтg	-55 to +150							°C

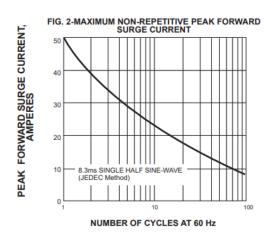
Note: 1. Measured with IF = 0.5 A, IR = 1 A, Irr = 0.25 A

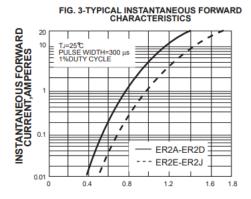
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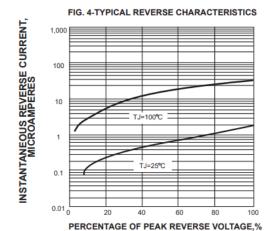


RATING AND CHARACTERISTIC CURVES

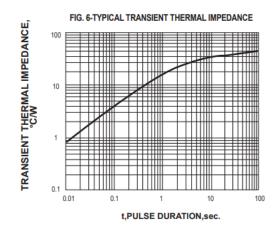


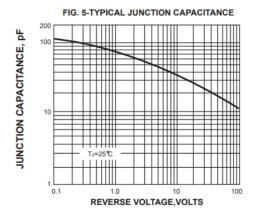












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