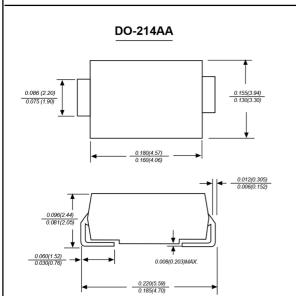


RS2A THRU RS2M

SURFACE MOUNT FAST RECOVERY RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 2.0 Amperes



Dimensions in inches and (millimeters)

FEATURES

- ◆ The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- Fast switching for high efficiency ◆ 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 terminals

MECHANICAL DATA

Case: JEDEC DO-214AC molded plastic body **Terminals**: Solder plated, solderable per MIL-STD-750, Method 2026 Polarity: Color band denotes cathode end Mounting Position: Any Weight: 0.09 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified. Single phase half-wave 60Hz resistive or inductive load for capacitive load current derate by 20%.

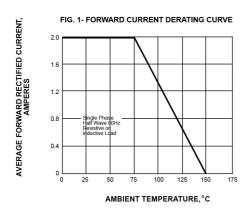
SYMBOLS	RS2A	RS2B	RS2D	RS2G	RS2J	RS2K	RS2M	UNITS
VRRM	50	100	200	400	600	800	1000	VOLTS
VRMS	35	70	140	280	420	560	700	VOLTS
VDC	50	100	200	400	600	800	1000	VOLTS
l(AV)	2.0						Amps	
İFSM	50.0						Amps	
VF	1.0			3	1.70			Volts
lR	5.0 100.0						uA	
trr	150			250	50	00	ns	
Cì	50.0						pF	
RqJA	20.0						°C/W	
ТЈ,Тѕтс	-65 to +150						°C	
	VRMM VRMS VDC I(AV) IFSM VF IR CJ RQJA	VRRM 50 VRMS 35 VDC 50 I(AV) IFSM VF IR CJ RqJA	VRRM 50 100 VRMS 35 70 VDC 50 100 I(AV) IFSM VF 1.0 IR trr 15 CJ RqJA	VRRM 50 100 200 VRMS 35 70 140 VDC 50 100 200 I(AV) IFSM VF 1.0 1. IR trr 150 CJ RqJA	VRRM 50 100 200 400 VRMS 35 70 140 280 Vpc 50 100 200 400 I(AV) 2.0 VF 1.0 1.3 IR 50.0 100.0 trr 150 50.0 CJ 50.0 50.0 RqJA 20.0	VRRM 50 100 200 400 600 VRMS 35 70 140 280 420 VDC 50 100 200 400 600 I(AV) 2.0 UF 1.0 1.3 5.0 IR 100.0 100.0 250 CJ 50.0 50.0 250 RqJA 20.0 20.0	VRRM 50 100 200 400 600 800 VRMS 35 70 140 280 420 560 Vpc 50 100 200 400 600 800 I(AV) 2.0 VF 1.0 1.3 1.70 IR 50.0 100.0 150 250 50 CJ 50.0 50.0 RqJA 20.0 20.0	VRM

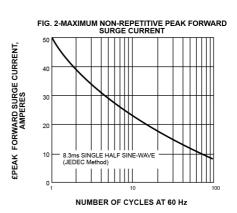
Note:1.Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

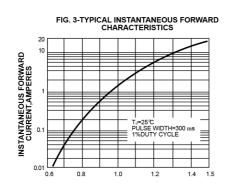
2. Measured at 1MHz and applied reverse voltage of 4.0V D.C. 3.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

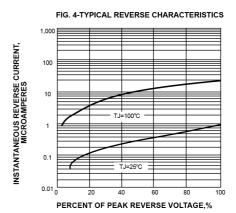
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RATINGS AND CHARACTERISTIC CURVES RS2A THRU RS2M

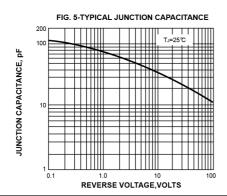


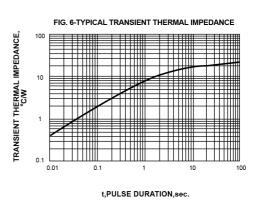












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