ER3A THRU ER3J

SURFACE MOUNT SUPER FAST RECTIFIER

Reverse Voltage - 50 to 600 Volts Forward Current - 3.0 Amperes

0.126 (3.20) 0.114 (2.90) 0.280(7.11) 0.260(6.60) 0.008(0.152) 0.008(0.152) 0.008(0.203)MAX. 0.320(8.13) 0.305(7.75)

Dimensions in inches and (millimeters)

FEATURES

- The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ◆ For surface mounted applications
- Super 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: 260°C/10 seconds at terminals
- Glass passivated chip junction

MECHANICAL DATA

Case: JEDEC DO-214AB molded plastic body over passivated chip

Terminals: Solder plated, solderable per MIL-STD-750,

Method 2026

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.007 ounce, 0.25grams

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	ER3A	ER3B	ER3C	ER3D	ER3E	ER3G	ER3J	UNITS
Maximum repetitive peak reverse voltage	VRRM	50	100	150	200	300	400	600	V
Maximum RMS voltage	VRMS	35	70	105	140	210	280	420	V
Maximum DC blocking voltage	VDC	50	100	150	200	300	400	600	V
Maximum average forward rectified current at TL=75°C	l(AV)	3.0							А
Peak forward surge current 8.3ms single half sine-wave superimposed on	İFSM	100.0							А
rated load	IFSM								
Maximum instantaneous forward voltage at 3.0A	VF	0.95 1.25			25	1.7	V		
Maximum DC reverse current Ta=25℃ at rated DC blocking voltage Ta=100℃	lR	5.0 100.0						μА	
Maximum reverse recovery time (NOTE 1)	trr	35						ns	
Typical junction capacitance (NOTE 2)	Cı	45.0						pF	
Typical thermal resistance (NOTE 3)	Reja	55.0						°C/W	
Operating junction and storage temperature range	ТЈ,Тѕтс	-55 to +150						°C	

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

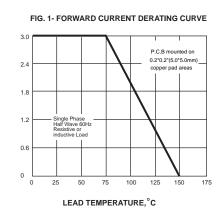
2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

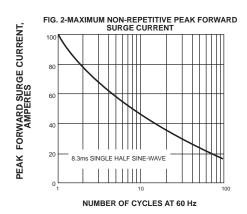
3.P.C.B. mounted with 0.2x0.2" (5.0x5.0mm) copper pad areas

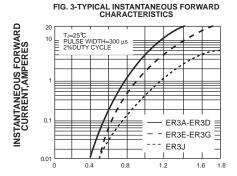


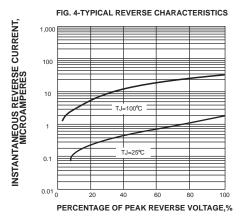
RATINGS AND CHARACTERISTIC CURVES ER3A THRU ER3J

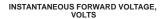


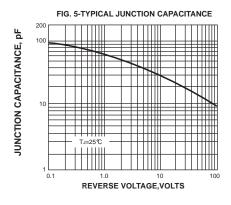


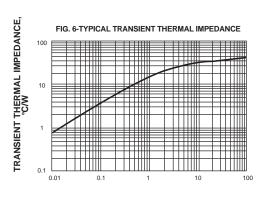












t,PULSE DURATION,sec.



单击下面可查看定价,库存,交付和生命周期等信息

>>STAR SEA(星海)