ES3A THUR ES3J



ES3A THUR ES3J Super-Fast Surface Mount Rectifiers

General description Super Fast Surface Mount Rectifiers Reverse Voltage : 50 to 600V Forward Current:3.0A SMC/DO214AB package

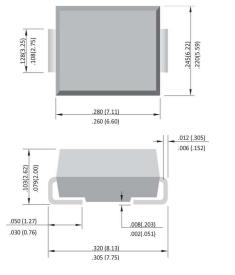
FEATURES

- Low profile package
- Built-in strain relief
- Easy pick and place
- · Superfast recovery times for high efficiency.
- Plastic package has Underwriters Laboratory
- Flammability Classification 94V-O

MECHANICAL DATA

- Case: JEDEC DO-214AB molded plastic
- Terminals: Solder plated, solderable per MIL-STD-750 ,Method 2026
- Polarity: Indicated by cathode band.
- Weight: 0.007 ounce, 0.25 gram

SMC/DO-214AB



Unit: inch (mm)

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

	(0	-						,
Characteristic	Symbol	ES3A	ES3B	ES3C	ES3D	ES3E	ES3G	ES3J	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	Vrrm Vrwm Vr	50	100	150	200	300	400	600	V
RMS Reverse Voltage	VR(RMS)	35	70	105	140	210	280	420	V
Average Rectified Output Current $@T_L = 75^{\circ}C$	Io	3.0							А
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	100							A
Forward Voltage $@I_F = 3.0A$	Vfm	0.95 1.25 1.7				1.7	V		
Peak Reverse Current $@T_A = 25^{\circ}C$ At Rated DC Blocking Voltage $@T_A = 100^{\circ}C$	Iгм	5.0 500							μA
Reverse Recovery Time (Note 1)	trr	35							nS
Typical Junction Capacitance (Note 2)	Cj	45							pF
Typical Thermal Resistance (Note 3)	Rjl	47							°C/W
Operating and Storage Temperature Range	Тj, Tsтg	-55 to +150							°C

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

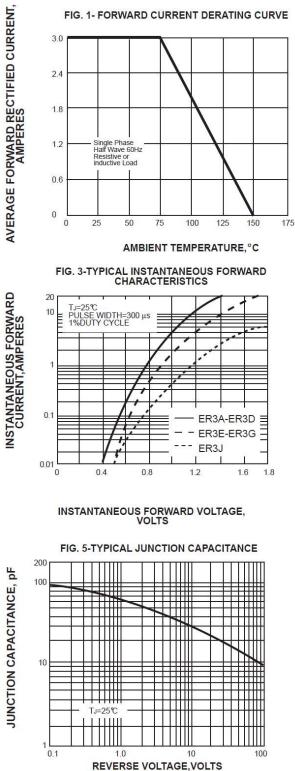
2.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

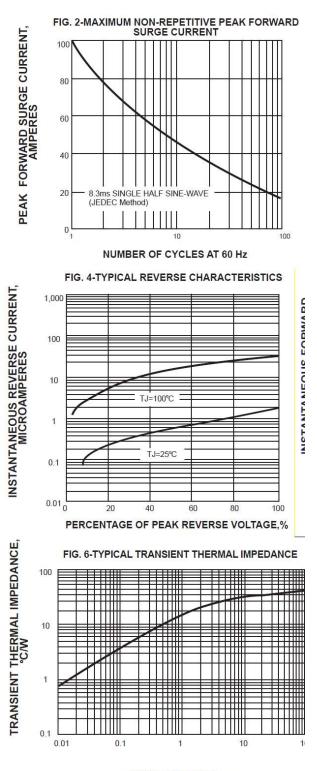
3.P.C.B. mounted with 0.2x0.2"(5.0x5.0mm) copper pad areas

www.doeshare.net



RATING AND CHARACTERISTIC CURVES





t,PULSE DURATION,sec.

www.doeshare.net

ES3A THUR ES3J



Important Notice and Disclaimer

DOESHARE has used reasonable care in preparing the information included in this document, but DOESHARE does not warrant that such information is error free. DOESHARE assumes no liability whatsoever for any damages incurred by you resulting from errors in or omissions from the information included herein.

DOESHARE no warranty, representation or guarantee regarding the documents, circuits and products specification, DOESHARE reservation rights to make changes for any documents, products, circuits and specifications at any time without notice.

Purchasers are solely responsible for the choice, selection and use of the DOESHARE products and services described herein, and DOESHARE assumes no liability whatsoever relating to the choice, selection or use of the products and services described herein.

No license, express or implied, by implication or otherwise under any intellectual property rights of DOESHARE.

Resale of DOESHARE products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by DOESHARE for the DOESHARE product or service described herein and hall not create or extend in any manner whatsoever, any liability of DOESHARE.



www.doeshare.net

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Rectifiers category:

Click to view products by Doeshare manufacturer:

Other Similar products are found below :

 70HFR40
 FR105 R0
 RL252-TP
 150KR30A
 1N5397
 1N4002G
 1N4005-TR
 UFS120Je3/TR13
 JANS1N6640US
 481235F

 RRE02VS6SGTR
 067907F
 MS306
 70HF40
 T110HF60
 T85HFL60S02
 US2JFL-TP
 A1N5404G-G
 CRS12(T5L,TEMQ)
 ACGRB207-HF

 CLH07(TE16L,Q)
 CLH03(TE16L,Q)
 ACGRC307-HF
 ACEFC304-HF
 NTE6356
 NTE6359
 85HFR60
 40HFR60
 70HF120
 85HFR80

 D126A45C
 SCF7500
 D251N08B
 SCHJ22.5K
 SM100
 SCPA2
 SDHD5K
 ACGRA4001-HF
 ACURA107-HF
 D1821SH45T
 PR
 D1251S45T

 NTE6358
 NTE5850
 NTE5837
 NTE5892
 NTE5911
 NTE5915
 NTE5921