

NEWSLETTER 008-2011

Super Fast Rectifiers with Tj +175°C with 2/3A

Features:

- Operating temperature range from (Tj) – 55°C to +175°C
- Maximum reverse recovery time (trr) 15 and 25ns
- Glass passivated junction chip
- For surface mounted application
- Low profile package
- Built-in strain relief
- Ideal for automated placement
- Super fast recovery time for high efficiency
- Low forward voltage, low power loss
- High temperature soldering guaranteed: 260°C/10s on terminals
- Plastic material used carriers UL Classification 94V-0
- Green compound with suffix “G” on packaging code & prefix “G” on datecode
- Qualified as per AEC-Q101



SMA



SMB



SMC



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Available Parts

Package	Part No	VRM(V)	IO(A)	VF(V) max. $T_j=25^{\circ}\text{C}$	Trr (ns)	IR(uA) $T_A=25^{\circ}\text{C}$
SMA	ESH2BA R2	100	2	0.90	15	2
SMA	ESH2CA R2	150	2	0.90	15	2
SMA	ESH2DA R2	200	2	0.90	15	2
SMB	ESH2B R4	100	2	0.93	25	2
SMB	ESH2C R4	150	2	0.93	25	2
SMB	ESH2D R4	200	2	0.93	25	2
SMC	ESH3B R6	100	3	0.90	25	5
SMC	ESH3C R6	150	3	0.90	25	5
SMC	ESH3D R6	200	3	0.90	25	5

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Mechanical Data:

- Available Packages:
 - SMA/DO-214AC
 - SMB/DO-214AA
 - SMC/DO-214AB
- Epoxy meets UL94V-0 flammability rating
- Terminals: Pure tin plated, leads free, solderable per MIL-STD-202, Method 208
- Wave- & Reflow-Solderable as per JEDEC-STD020C
- Weight 0.21g



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Typical Applications:

- Automotive

Closest Cross Reference:

- ESH1x-Series (Vishay) vs. ESH2xA-Series
- ESH2x-Series (Vishay) vs. ESH2x-Series
- ESH3x-Series (Vishay) vs. ESH3x-Series