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Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.



September 2009

1N4148WT / 1N4448WT / 1N914BWT High Conductance Fast Switching Diode

Features

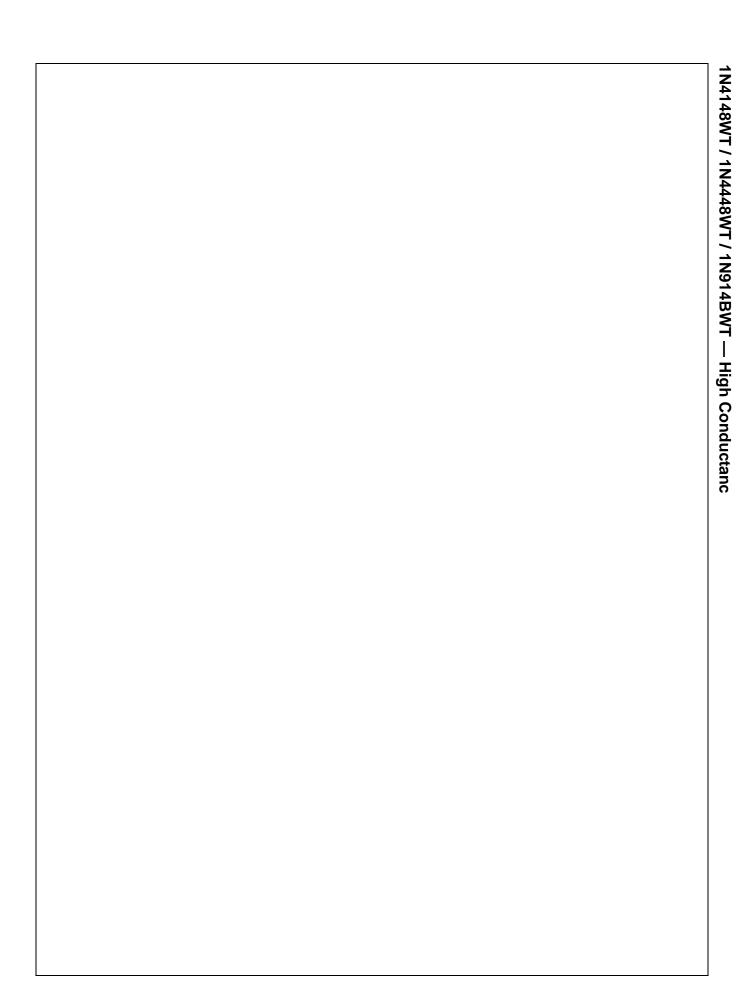
- Fast Switching Diode (Trr <4.0nsec)
- Flat Lead, Surface Mount Device Under 0.70mm Height
- Extremely Small Outline Plastic Package SOD523F
- Moisture Level Sensitivity 1
- · Pb-free Version and RoHS Compliant
- · Matte Tin (Sn) Lead Finish
- · Green Mold Compound

Absolute Maximum Ratings* T_A=25°C unless otherwise noted

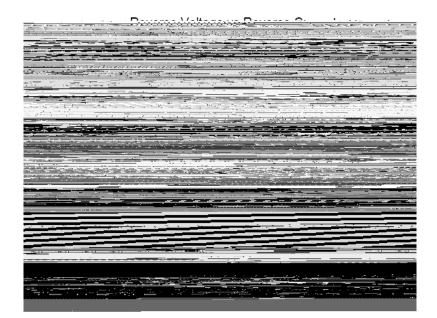
* These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

NOTES:

1) Thc c deviaoi(I43M(h) S028 Tw(vi)4 632uH2(c)-1.)-5()mE.16 TD-0.00543(i)4.9(other8i25uf0 g03 Tm-0.00-0.0020)}TJ/TT4 1 T8(i)4.9(m).9(1)Trr (ns)8.t16Cx06e(i)4.9t0

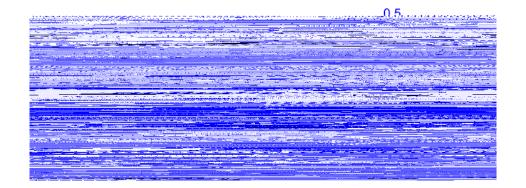


Typical Performance Characteristics (Continue)



Physical Dimension

SOD-523F



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