

DAMPER DIODE

Absolute Maximum Ratings T_C=25°C unless otherwise noted

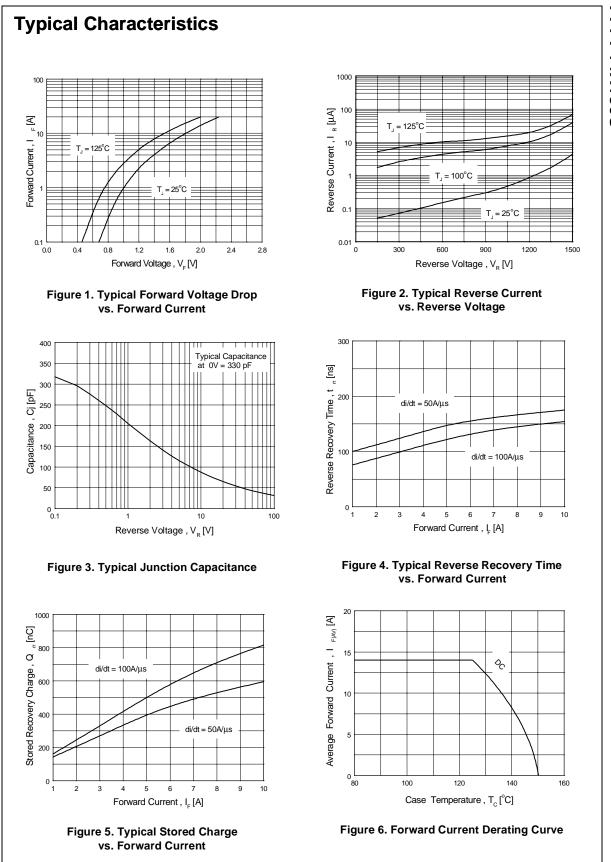
| Symbol | Parameter | Value | Units |
|----------------------------------|---|--------------|-------|
| V _{RRM} | Peak Repetitive Reverse Voltage | 1500 | V |
| I _{F(AV)} | Average Rectified Forward Current @ T _C = 125°C | 14 | А |
| I _{FSM} | Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave | 140 | A |
| T _{J,} T _{STG} | Operating Junction and Storage Temperature | - 65 to +150 | °C |

Thermal Characteristics

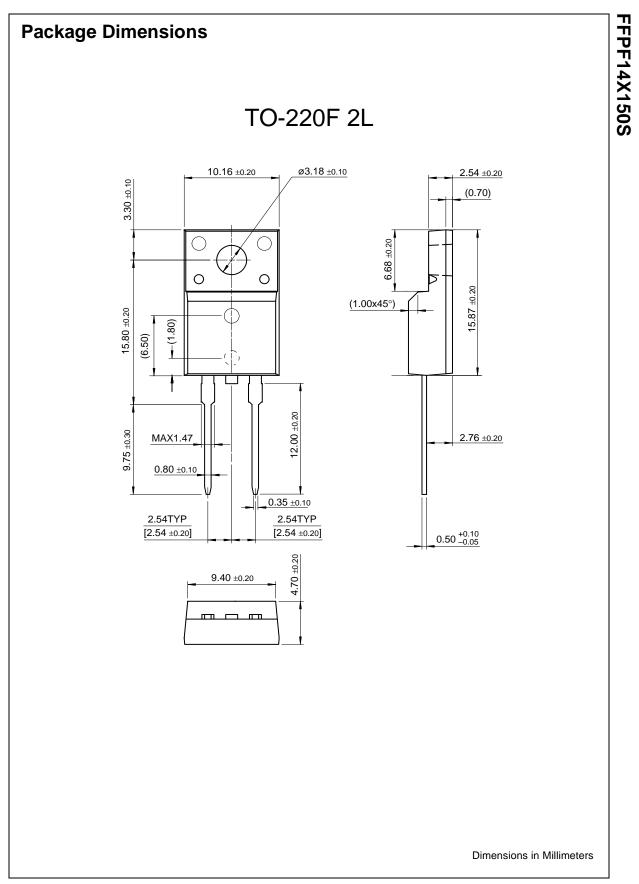
| Symbol | Parameter | Value | Units |
|-----------------|--|-------|-------|
| $R_{\theta JC}$ | Maximum Thermal Resistance, Junction to Case | 1.5 | °C/W |

Electrical Characteristics T_C=25 °C unless otherwise noted

| Symbol | Parameter | | Min. | Тур. | Max. | Units |
|-------------------|--|--|------|------|------|-------|
| V _{FM} * | Maximum Instantaneous Forward Voltage | | | | | V |
| | I _F = 14A | T _C = 25 °C | - | - | 2.4 | |
| | I _F = 14A | T _C = 25 °C T _C = 125 °C | - | - | 2.1 | |
| I _{RM} * | Maximum Instantaneous Reverse Current | | | | | μΑ |
| | @ rated V _R | T _C = 25 °C | - | - | 20 | |
| | | T _C = 25 °C T _C = 125 °C | - | - | 300 | |
| t _{rr} | Maximum Reverse Recovery Time | | - | - | 120 | ns |
| | (I _F =1A, di/dt = 50A/µs) | | | | | |
| t _{fr} | Maximum Forward Recovery Time | | - | - | 290 | ns |
| | (I _F =6.5A, di/dt = 50A/µs) | | | | | |
| V _{FRM} | Maximum Forward Recovery Voltage | | - | - | 13 | V |



FFPF14X150S



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|--------------------------|---------------------------|---|
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