Features

- Low forward voltage and leakage current
- Low inductance package
- High surge current capability

Product Summary

Applications

- Field supply for DC motors
- Line rectifiers for transistorized AC motor controllers
- Non-controllable rectifiers for AC/DC converter

Absolute Maximum Ratings (@ T_C = 25℃ unless otherwise specified)

Parameter	Conditions	Symbol	Values	Unit
Repetitive peak reverse voltage		[redacted]		

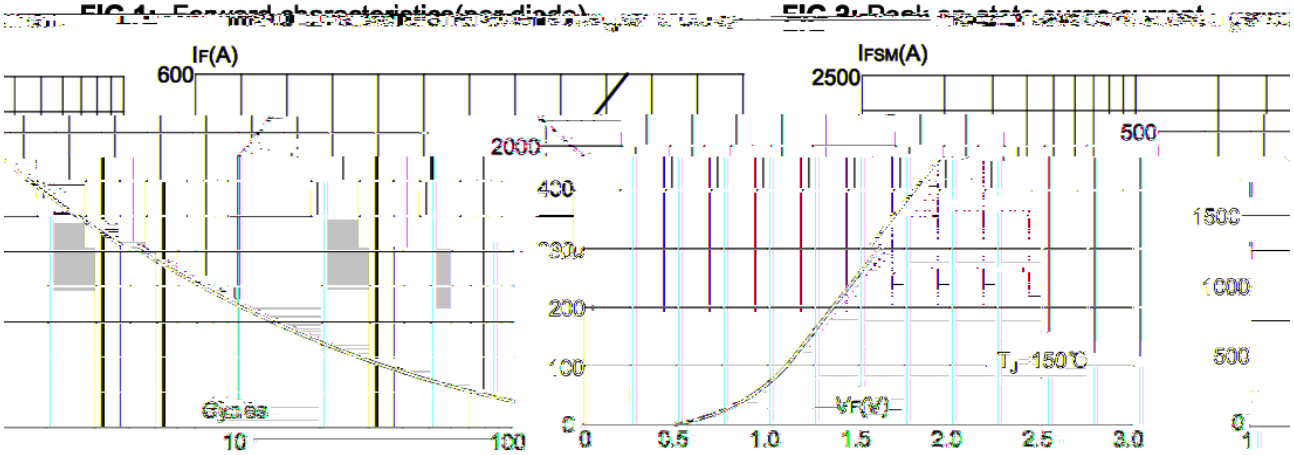
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Electrical Characteristics (@ T_C = 25℃ unless otherwise specified)

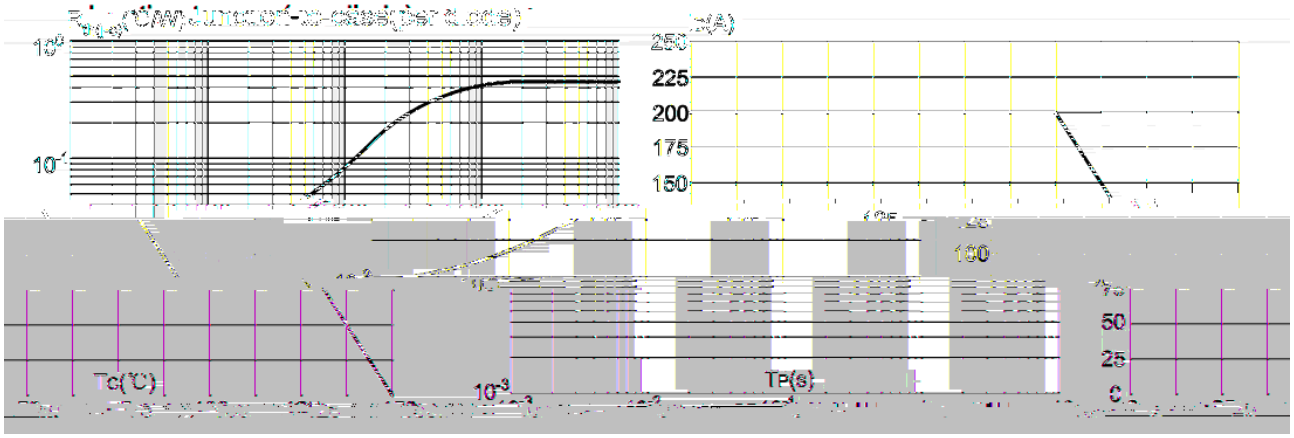
Parameter	Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Forward voltage	I_D = 200A, Tvj = 25	V_F		1.25	1.45	V
Reverse leakage current	$V_R = V_{RRM}$, Tvj = 25	I_{RRM}			0.5	mA
	$V_R = V_{RRM}$, Tvj = 150				10	mA
Threshold voltage	For power loss calculation only Tvj = 150 ,	V_{TO}			0.85	V
Dynamic resistance		r_T			2.5	mΩ

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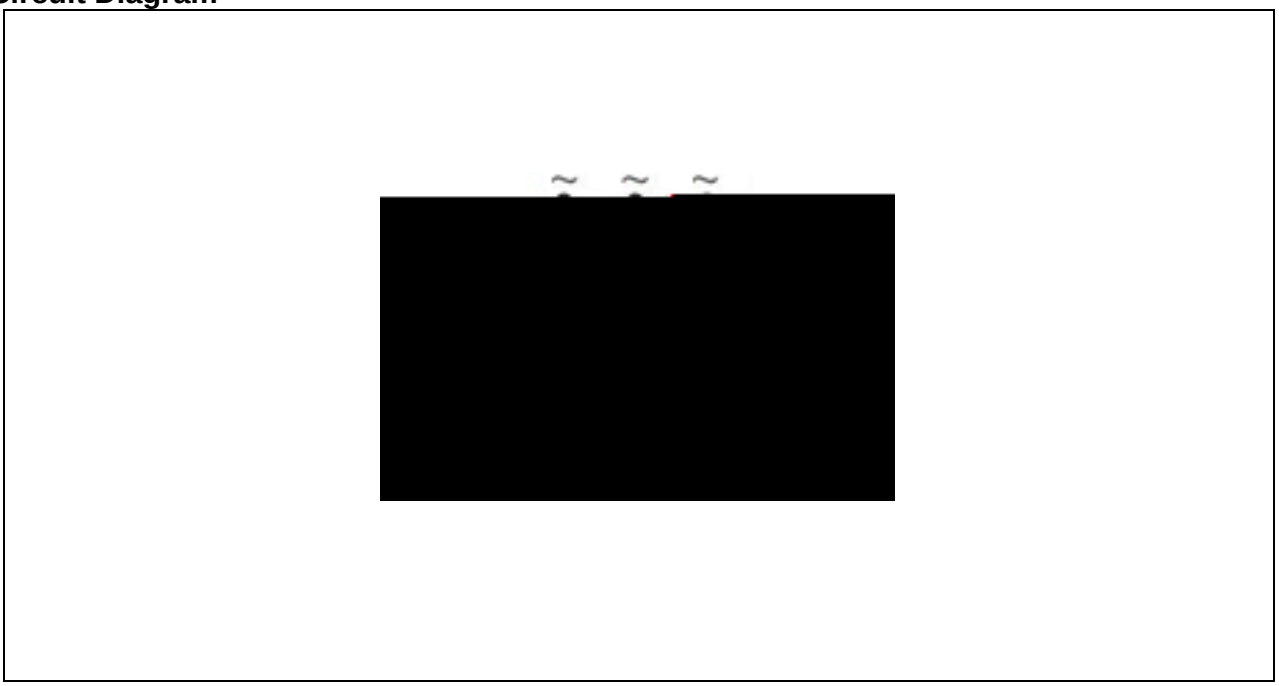
Typical Electrical & Thermal Characteristics



I: Maximum transient thermal impedance **FIG.3:** Forward current vs. case temperature **FIG.4**

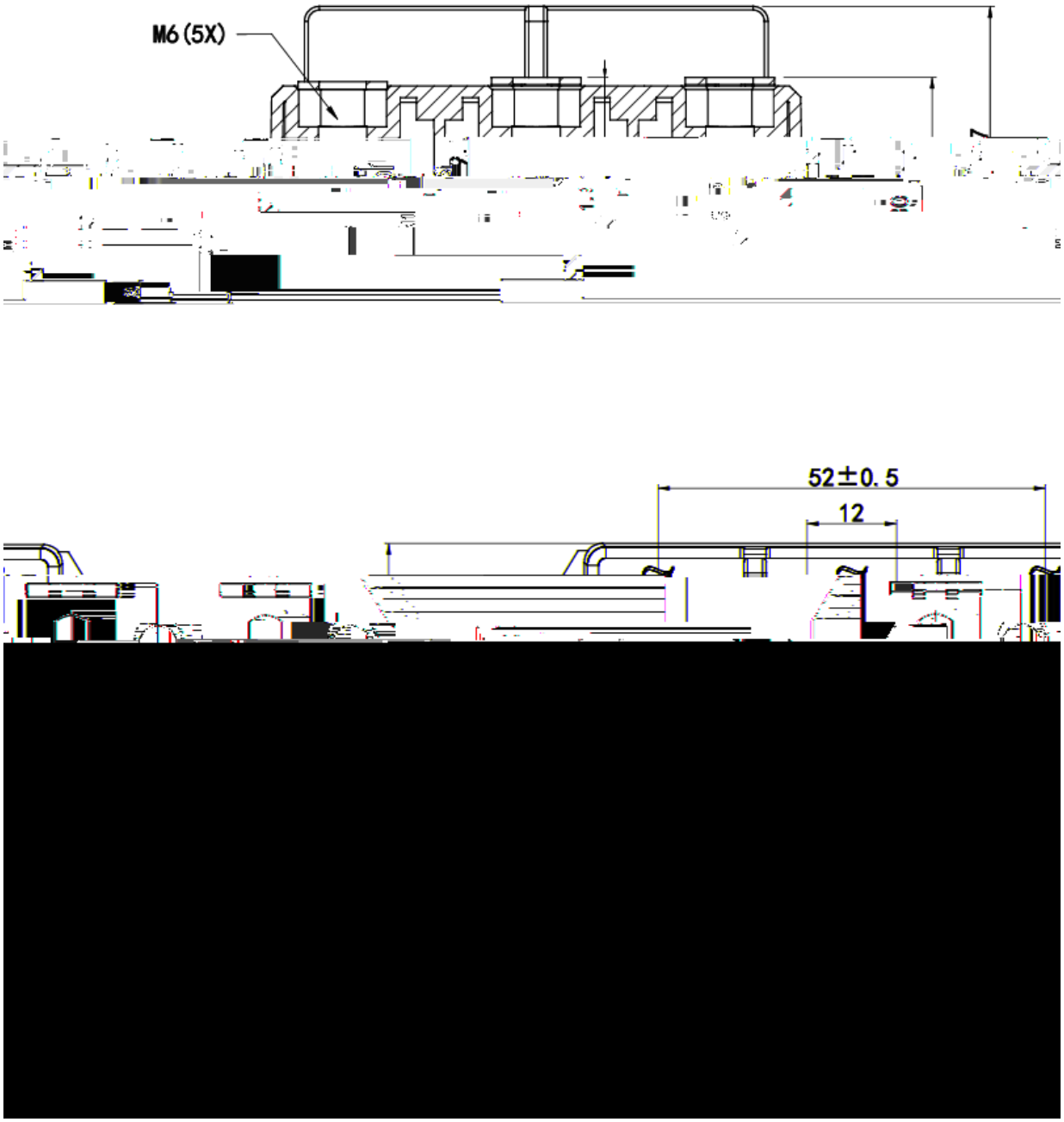


Circuit Diagram



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Package Outlines (mm)



Unit of measurement: mm

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