



JSD250

Description

- 1) Low forward voltage and leakage current
- 2) Low inductance package
- 3) High surge current capability

Typical Application

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

Absolute Maximum Ratings (Packaged into D2, unless otherwise specified, $T_{CASE}=25$)

Parameter	Test Conditions	Symbol	Values			Unit
			16	18	20	
Junction temperature range		T_J	-40~+150			
Storage temperature range		T_{STG}	-40~+125			
Repetitive peak reverse voltage		V_{RRM}	1600	1800	2000	V
Non-repetitive peak reverse voltage		V_{RSM}	1700	1900	2100	V
Output current	$T_C=95$	I_D	250			A
Forward surge current	1/2 cycle, Sine wave 50Hz, $T_J=$					



Three Phase Rectifier Bridge Module

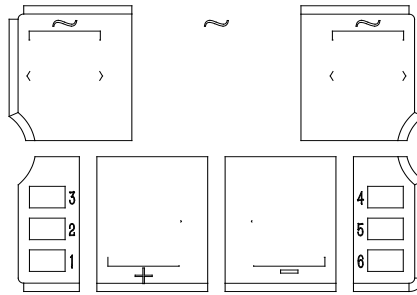
Electrical Characteristics (Packaged into D2, unless otherwise specified, $T_{CASE}=25$)

Parameter	Test Conditions	Symbol	Values			Unit
			Min.	Typ.	Max.	
Forward voltage	$I_F=250A, T_J=25$	V_{FM}	-	1.35	1.55	V



Three Phase Rectifier Bridge Module

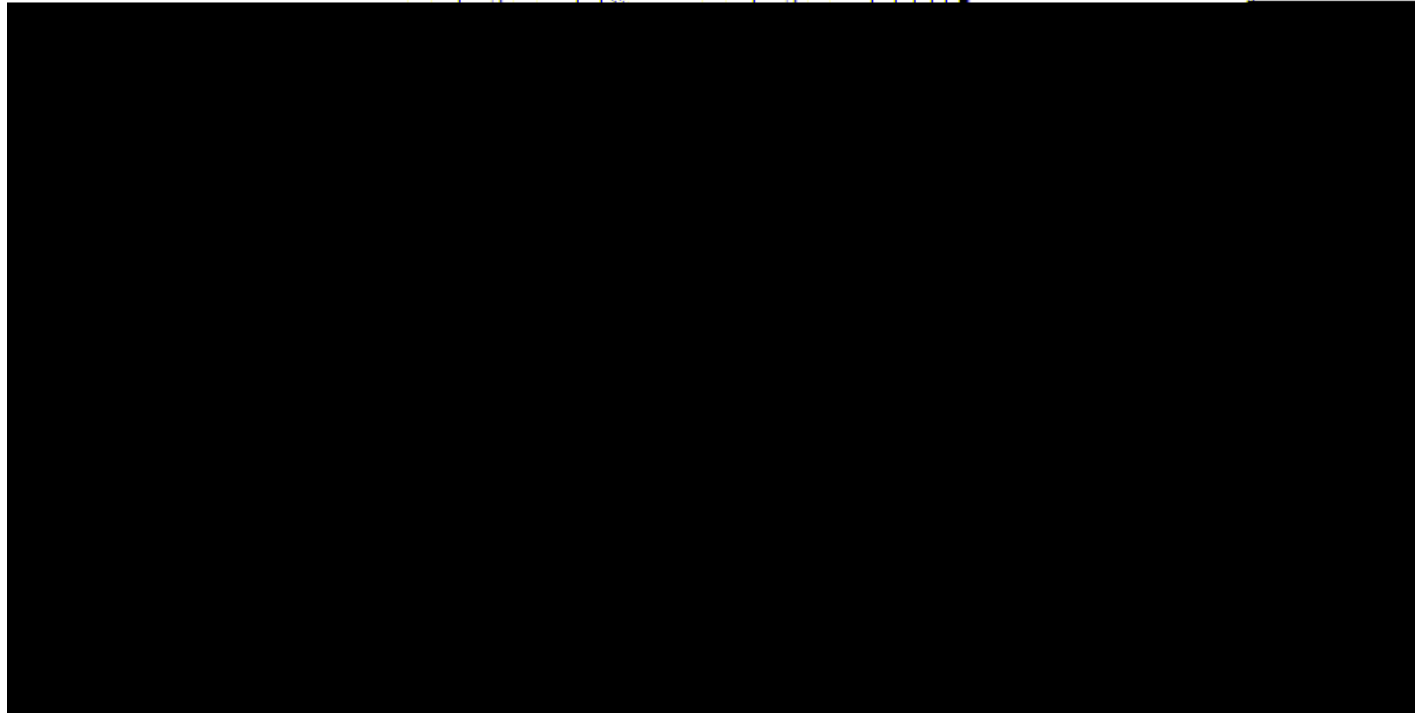
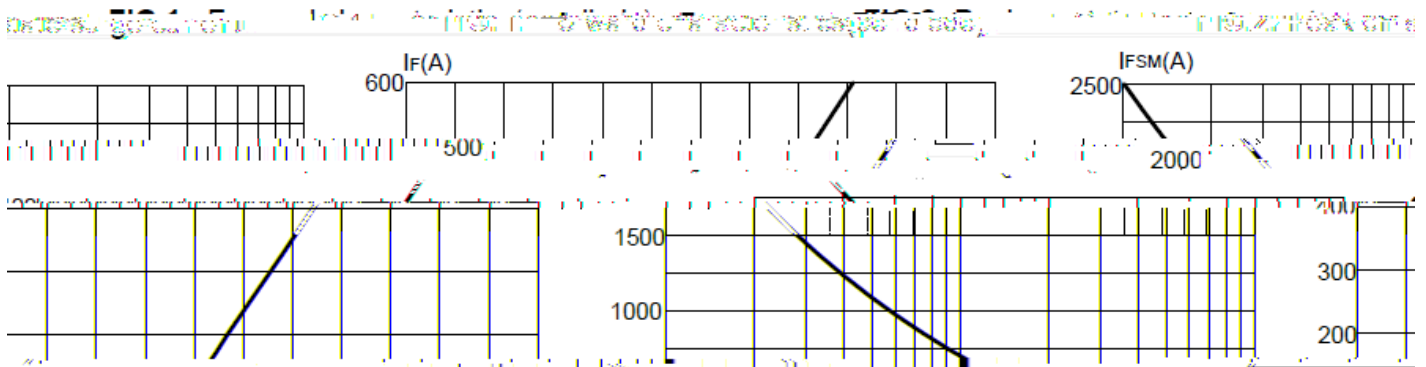
Mechanical Characteristics(mm)





Three Phase Rectifier Bridge Module

Performance Curves




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