MS TT261





Key Parameters

Vdrm / Vrrm	= 2400V
It(AV)	= 261A
ITSM	= 9500A
V _{T(TO)}	= 0.85V
rΤ	= 0.64mΩ

Features

- Full blocking capability over wide temperature rangeHeat transfer through aluminium oxide ceramic isolated metal baseplate
- Pressure contacts technology for high reliabilityUL Recognized, file no. E505556

ApplicationsPower Supplies

- DC motor control
- **Controlled Rectifiers**
- AC switch

Ordering Information

MS	TT	261	ĸ	24
Fixed code	TT- Thyristor- Thyristor Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V _{DRM} /V _{RRM}
Order Co	ode MS TT261K24 : 2400V V _{DRM} ,	V _{RRM} , Thyri	stor-Thyristor Module	
			Prepared by : ABA	Date of Publication : 25.03.2015
			Approved by : RBS F	Revision : 1

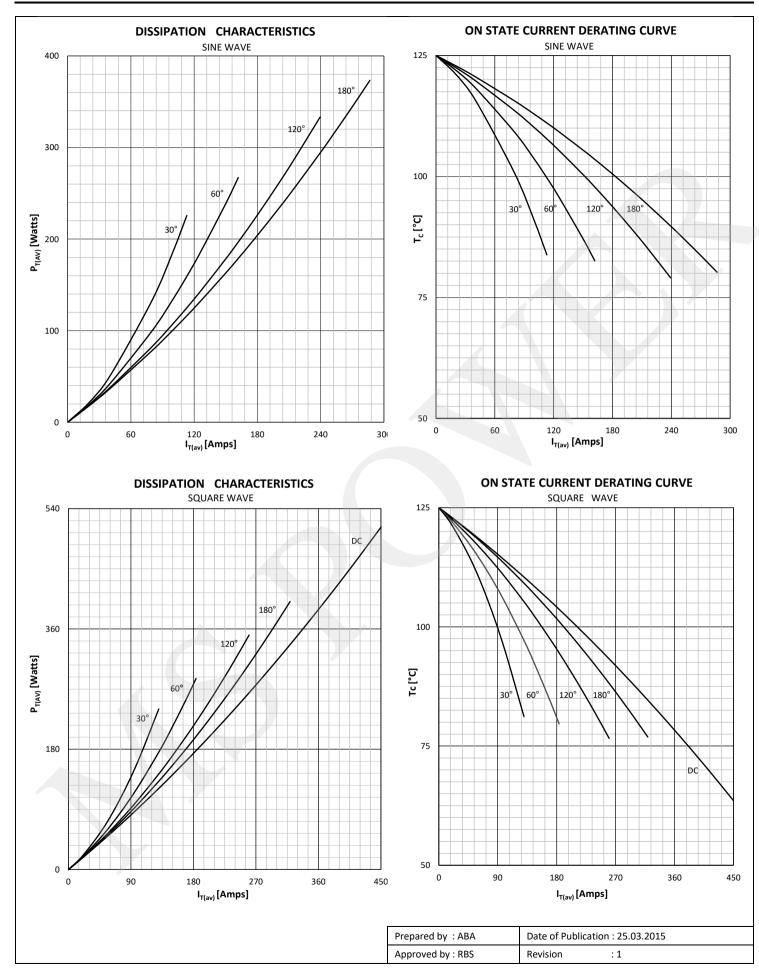
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Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		125	2000 - 2400	V
V RSM	Non-repetitive peak reverse voltage		125	2100 - 2500	V
V drm	Repetitive peak off-state voltage		125	2000 - 2400	V
I RRM	Repetitive peak reverse current	V= V rrm	125	70	mA
DRM	Repetitive peak off-state current	V= V drm	125	70	mA
CONDU	CTING				
I T (AV)	Mean on state current	180° sin ,50 Hz, T _c =85°C		261	А
IRMS	RMS on-state current			450	А
		Sine wave, 10 ms Without reverse voltage	25	9500	А
I TSM	Surge on-state current		125	8000	А
	² t		25	451000	A ² s
l² t		Sine wave, 10 ms Without reverse voltage	125	320000	A ² s
νт	On-state voltage	On-state current = 800A	125	1.45	V 7.3
V T V T(TO)	Threshold voltage		125	0.85	V
. ,	-				
rΤ	On-state slope resistance		125	0.64	mΩ
SWITCH	ING			1	
di/dt	Critical rate of rise of on-state current	f=50Hz, I _{GM} =1A, di _G /dt=1A/µs	125	250	A/µs
dv/dt	Critical rate of rise of off-state voltage	$V_{DR} = 67\% V_{DRM}$	125	1000	V/µs
GATE				1	
l _{gt}	Gate trigger current	V _D =6V	25	200	mA
V _{gt}	Gate trigger voltage	V _D =6V	25	3.0	V
Iн	Holding current	V _D =6V, gate open circuit	25	600	mA
I L	Latching current	V _D =6V	25	1000	mA
MOUNT	NG				
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.12 0.06	°C/W
		Junction to case, per arm		0.08	
R th(j-c)	Thermal impedance, rec120°	per module		0.07	°C/W
R th(c-h)	Thermal impedance	Case to heatsink, per arm per module		0.04 0.02	°C/W
Тj	Max. junction temperature	· ·		125	°C
T stg	Storage temperature			-40 150	°C
VISOL	Insulation test voltage,RMS	F=50Hz, 1min		3.0	KV
M1	Mounting torque			5 ± 15%	Nm
M2	Terminal connection torque			12 ± 15%	Nm
W	Weight (Approx.)			650	gm
				Frances	
A L	File No.			E505556	
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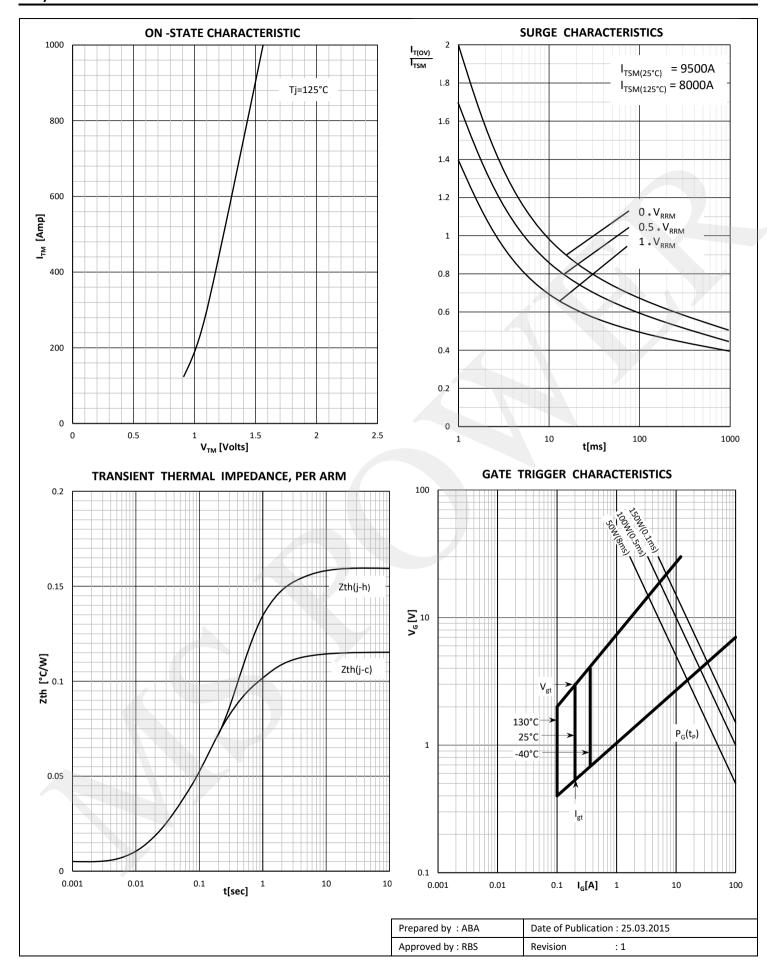
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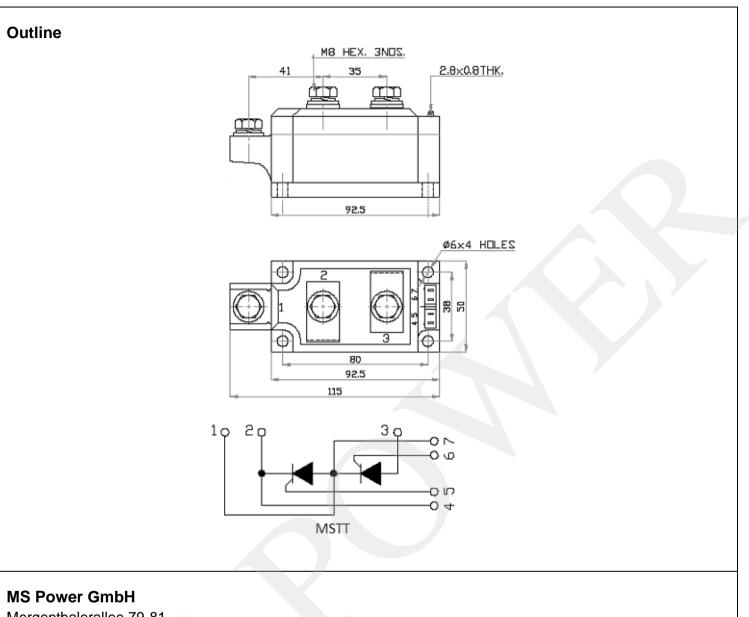
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Mergenthalerallee 79-81 65760 Eschborn, Germany Web: www.mspowergroup.com Mail: info@mspowergroup.de

Sales & Enquiry:

sales@mspowergroup.de Technical Support: solution@mspowergroup.de After sales Service: service@mspowergroup.de

Phone: +49 (0) 6196/7768 666 Fax: +49 (0) 6196/7757 888



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