**MS TT260** 





#### **Key Parameters**

Vdrm / Vrrm	= 2200V
It(AV)	= 260A
ITSM	= 9500A
V <sub>T(TO)</sub>	= 0.85V
ΓT	= 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**

	J			
MS	TT	260	К	22
Fixed code	TT- Thyristor- Thyristor Module	Current Code	Technology K = Pressure Contact Technology	Voltage Code Code X 100 = V <sub>DRM</sub> /V <sub>RRM</sub>
Order Code MS TT260K22 : 2200V VDRM, VRRM, Thyristor-Thyristor Module				

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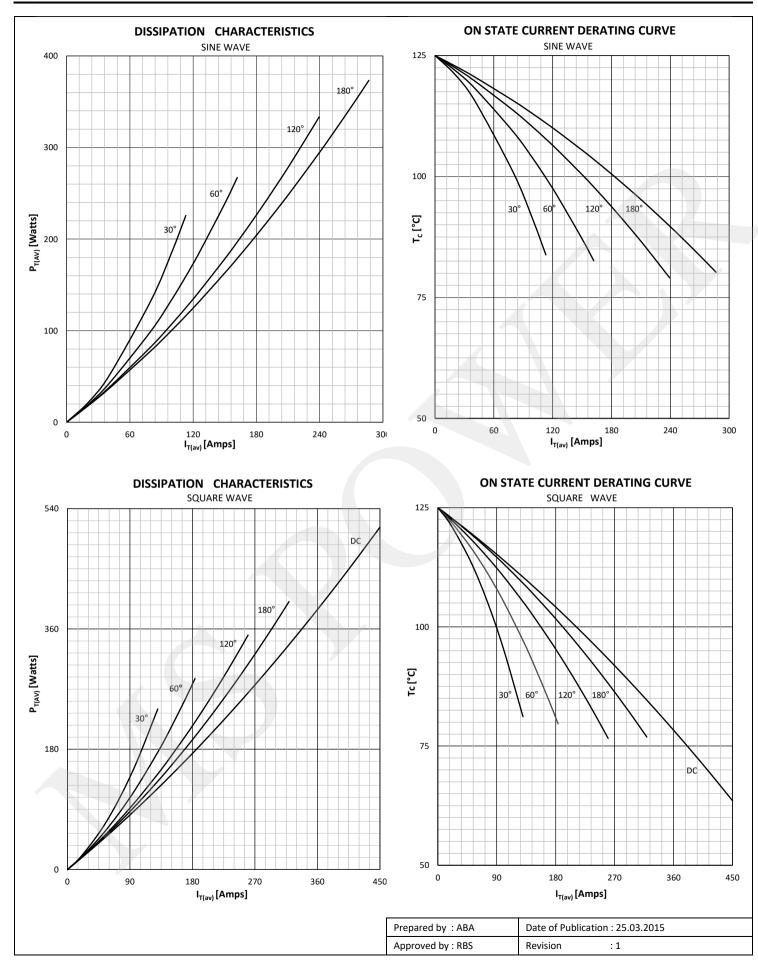
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Symbol	Characteristic	Conditions	Тј [°С]	Value	Unit
BLOCKI	NG				
V RRM	Repetitive peak reverse voltage		125	2000 - 2200	V
V RSM	Non-repetitive peak reverse voltage		125	2100 - 2300	V
V drm	Repetitive peak off-state voltage		125	2000 - 2200	V
I RRM	Repetitive peak reverse current	V= V RRM	125	50	mA
I DRM	Repetitive peak off-state current	V= V drm	125	50	mA
CONDU	CTING				
I T (AV)	Mean on state current	180° sin ,50 Hz, T <sub>c</sub> =85°C T <sub>c</sub> =80°C		260 287	A
I RMS	RMS on-state current			450	А
	Surge on-state current	Sine wave, 10 ms	25	9500	А
I TSM		Without reverse voltage	125	8000	А
		Sine wave, 10 ms	25	451000	A <sup>2</sup> s
l² t	l <sup>2</sup> t	Without reverse voltage	125	320000	A²s
Vт	On-state voltage	On-state current = 800A	125	1.45	V
V T(TO)	Threshold voltage		125	0.85	v
гт	On-state slope resistance		125	0.64	mΩ
			125	0.04	11152
SWITCH					
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					
l <sub>gt</sub>	Gate trigger current	V <sub>D</sub> =6V	25	200	mA
V <sub>gt</sub>	Gate trigger voltage	V <sub>D</sub> =6V	25	3.0	V
Iн	Holding current	V <sub>D</sub> =6V, gate open circuit	25	600	mA
ΙL	Latching current	V <sub>D</sub> =6V	25	1000	mA
MOUNTI	NG	-			
R th(j-c)	Thermal impedance, sin 180°	Junction to case, per arm per module		0.12 0.06	°C/W
R th(j-c)	Thermal impedance, rec120°	Junction to case, per arm per module		0.14 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
<b>AI</b> ®	File No.			E505556	
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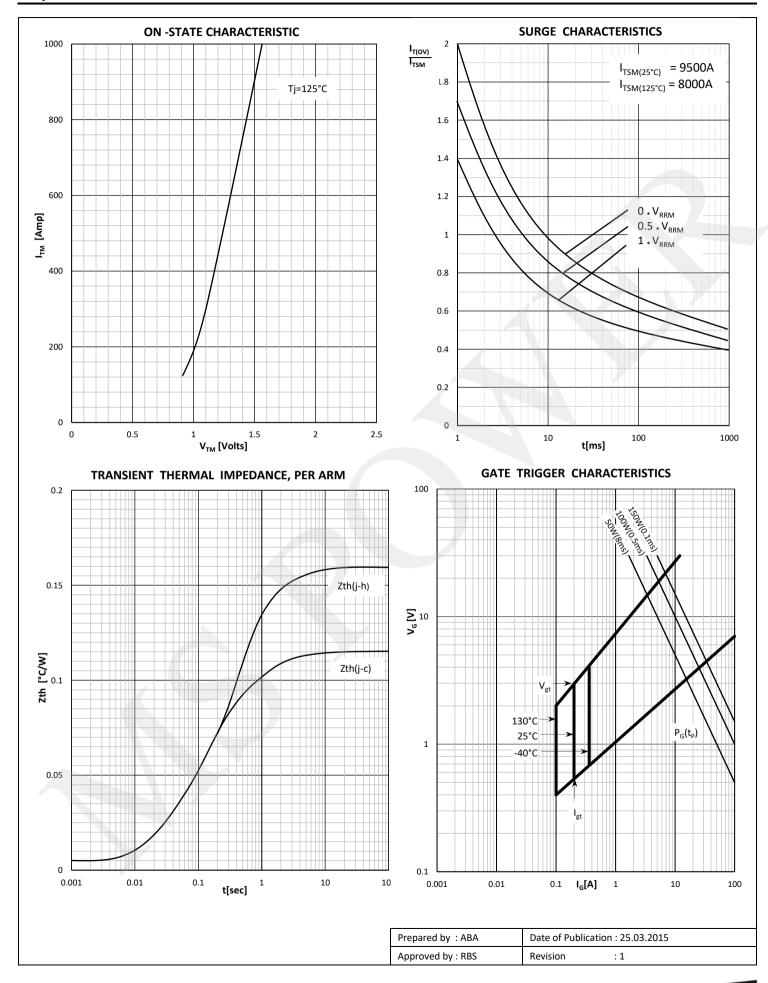
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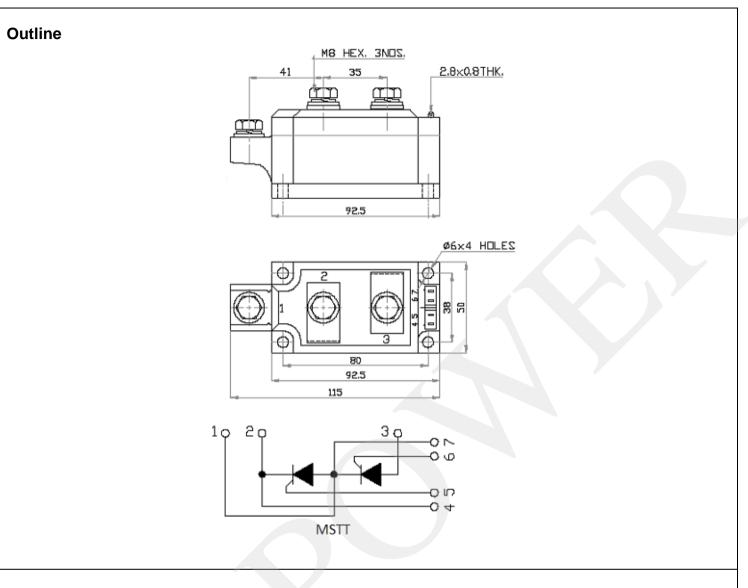
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