

New Product Information

Thyristor Module

PWA150STS16

PWA200STS16

Lineup of average on- state current 150A・200A!



■ Features

- 1.Supports various circuits depending on the connection pattern
- 2.Improves heat dissipation by original structure design
- 3.UL approved standard planned

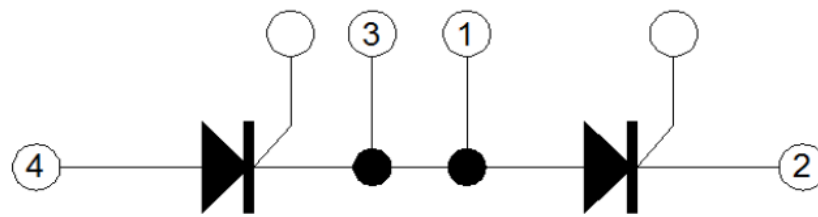
■ Maximum Rating

Model		PWA150STS16	PWA200STS16	
Parameter	Symbol	Max. RatedValue		Unit
Repetitive Peak Off-State Voltage	VDRM	1600		V
Non-Repetitive Peak Off-State Voltage	VRSM	1700		
Repetitive Peak ReverseVoltage	VRRM	1600		V
Non-Repetitive Peak ReverseVoltage	VRSM	1700		

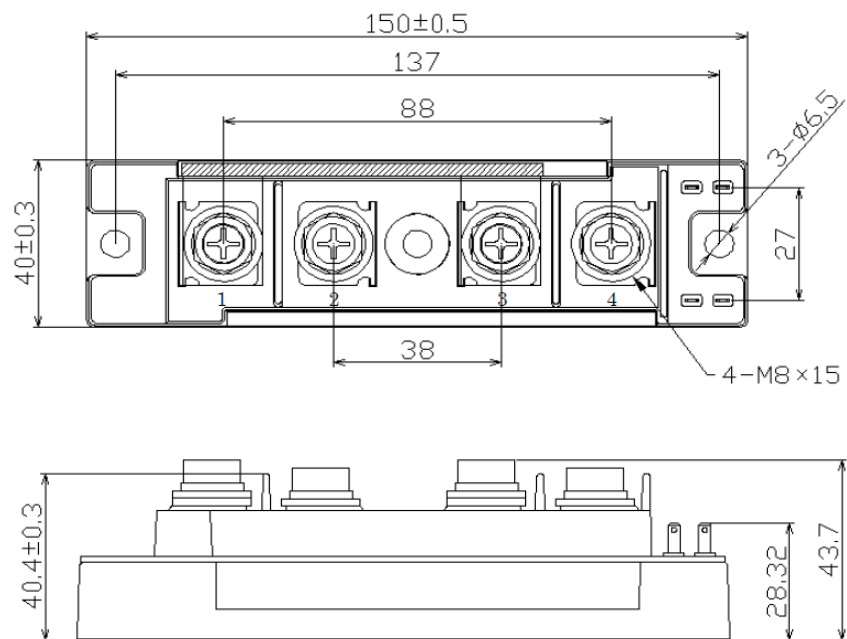
Model			PWA150STS16	PWA200STS16	
Parameter	Symbol	Conditions	Max. RatedValue		Unit
Average On-State Current	IO(AV)	HalfSine Wave $T_C=80^\circ$	150	200	A
RMS On-State Current	IT(RMS)	$T_C=80^\circ$	235	314	A
Surge On- State Current	ITSM	HalfSineWavePulse, Non-Repetitive	3200	4000	A
I squared t	I^2t	10ms	54450	101250	A ² S
Critical Rate of Rise of Turned-On Current	di/dt	VD=2/3VDRM ITM=2·IO $T_J=125^\circ$ IG=300mA di/dt=0.2A/ μ s	150		A/ μ s
Peak Gate Power	PGM		5		W
Average Gate Power	PG(AV)		1		W
Peak Gate Current	IGM		2		A
Peak Gate Voltage	VGM		10		V
Peak Gate Reverse Voltage	VRGM		5		V
Operating Junction temperature Range	Tjw		-40~+125		°C
Storage Temperature Range	Tstg		-40~+125		°C
Isolation Voltage	Viso	Terminal to Base AC 1min	2500		V(RMS)
Mounting Torque	F	Greased	M6: 2.5~3.5		N·m
Mounting Torque	F		M8: 9.0~10.0		N·m

※Description is subject to change without prior notice.

■ Circuit diagram



■ Dimensions



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