

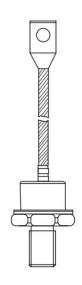
Standard Recovery Diodes

FEATURES

- · High surge current capability
- · Wide current range
- High voltage ratings up to 2500V
- Minimum Lot-to-Lot variations for robust device performance and reliable operation

APPLICATIONS

- · Battery charges
- Converters
- Power supplies
- · Machine tool controls



U = Stud Normal Polarity (Cathode to Stud)UR = Stud Reverse Polarity (Anode to Stud)

ABSOLUTE MAXIMUM RATINGS

SYMBOL	PARAMETER	CONDITIONS		VALUE	UNIT
V_{RRM}	Repetitive Peak Reverse Voltage			2500	V
I _{F(AV)}	Average Forward Current	Tc=120℃, 180° conduction, half sine wave		300	А
IFSM	Surge Forward Current	t=10ms	No voltage reapplied	6550	- A
		t=8.3ms		6850	
		t=10ms	100%V _{RRM} reapplied	5500	
		t=8.3ms		5750	
l²t	I ² t for fusing	t=10ms	No voltage reapplied	214	KA ₂ s
		t=8.3ms		195	
		t=10ms	100%V _{RRM} reapplied	151	
		t=8.3ms		138	
TJ	Junction Temperature			-65~200	$^{\circ}$
T _{stg}	Storage Temperature Range			-65~200	$^{\circ}$

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THERMAL CHARACTERISTICS

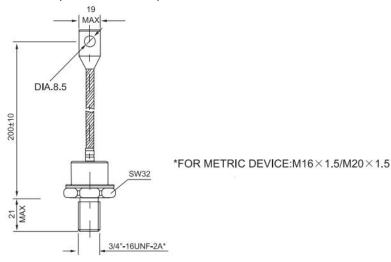
SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance, Junction to Case		°C/W

ELECTRICAL CHARACTERISTICS

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V _{FM}	Forward Voltage drop	I _F = 942A, T _J = 25℃	1.4	V

PACKAGE OUTLINE

Dimensions in mm (1mm = 0.0394)



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