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RECTIFIER DIODES MODULE

ADD335

Repetitive voltage up to **1800 V**
Mean forward current **331 A**
Surge current **10,0 kA**

FINAL SPECIFICATION
Mar. 23 - Issue: 1

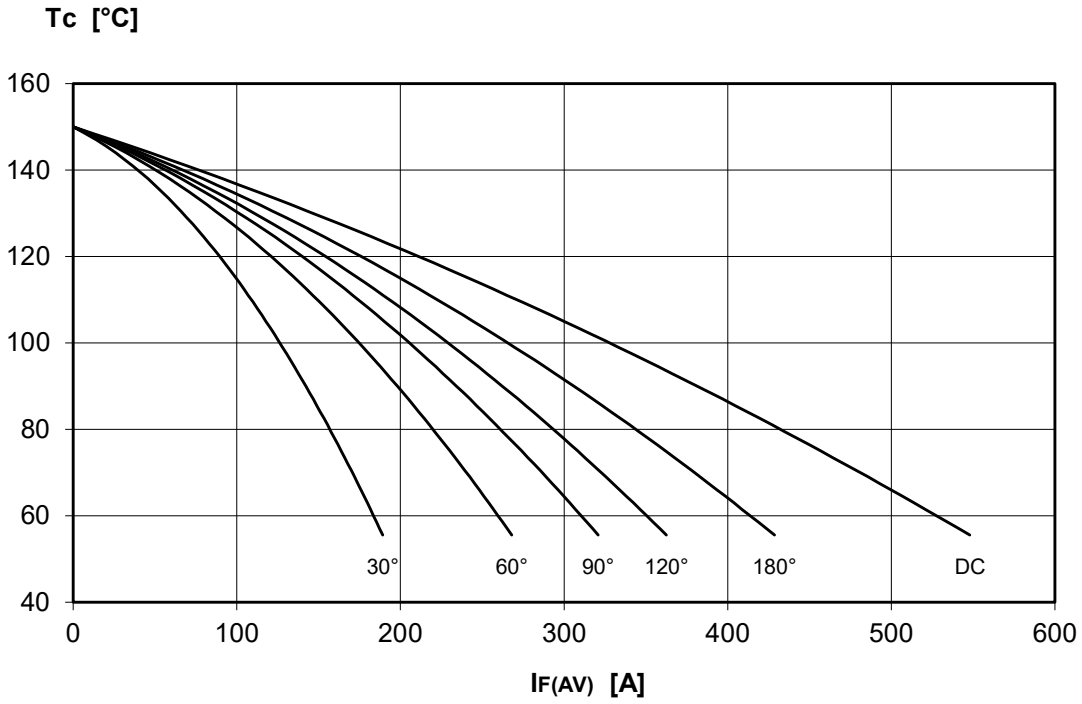
Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKING					
V_{RRM}	Repetitive peak reverse voltage		150	1800	V
V_{RSM}	Non-repetitive peak reverse voltage		150	1900	V
I_{RRM}	Repetitive peak reverse current	V=VRRM	150	20	mA
CONDUCTING					
$I_{F(AV)}$	Mean forward current	180° sin, 50 Hz, Tc=100°C, single side cooled		272	A
$I_{F(AV)}$	Mean forward current	180° sin, 50 Hz, Tc=85°C, single side cooled		331	A
I_{FSM}	Surge forward current	Sine wave, 10 ms without reverse voltage	150	10	kA
I^2t	I^2t			500 x 10^3	A^2s
V_{FM}	Forward voltage	Forward current = 900 A	25	1,35	V
$V_{F(TO)}$	Threshold voltage		150	0,75	V
r_F	Forward slope resistance		150	0,550	mohm
SWITCHING					
t_{rr}	Reverse recovery time		150		µs
Q_{rr}	Reverse recovery charge				µC
I_{rr}	Peak reverse recovery current				A
MOUNTING					
$R_{th(j-c)}$	Thermal impedance, DC	Junction to case per element		164,0	°C/kW
$R_{th(c-h)}$	Thermal impedance	Case to heatsink per element		40,0	°C/kW
T_j	Operating junction temperature			-40 / 150	°C
V_{ins}	RMS insulation voltage	50Hz, circuit to base,all terminal shorted	25	3000	V
T	Mounting torque	Case to heatsink		4 to 6	Nm
		Busbars to terminals		12 to 18	Nm
	Mass			800	g

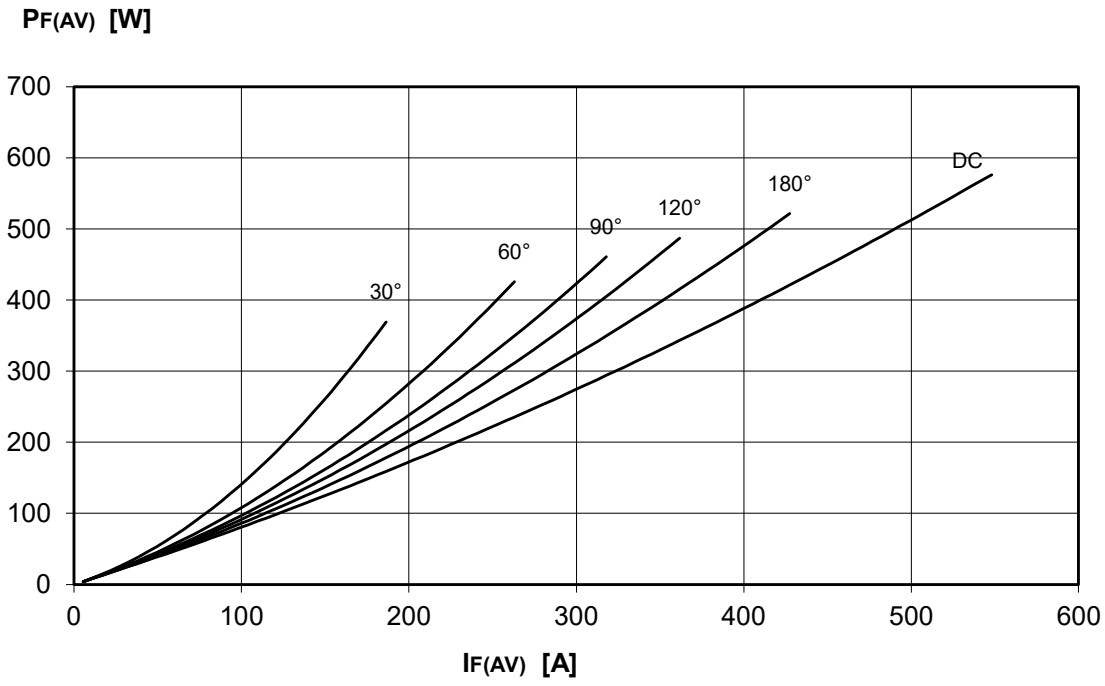
ORDERING INFORMATION : ADD335 S 18

standard specification — VRRM/100

DISSIPATION CHARACTERISTICS

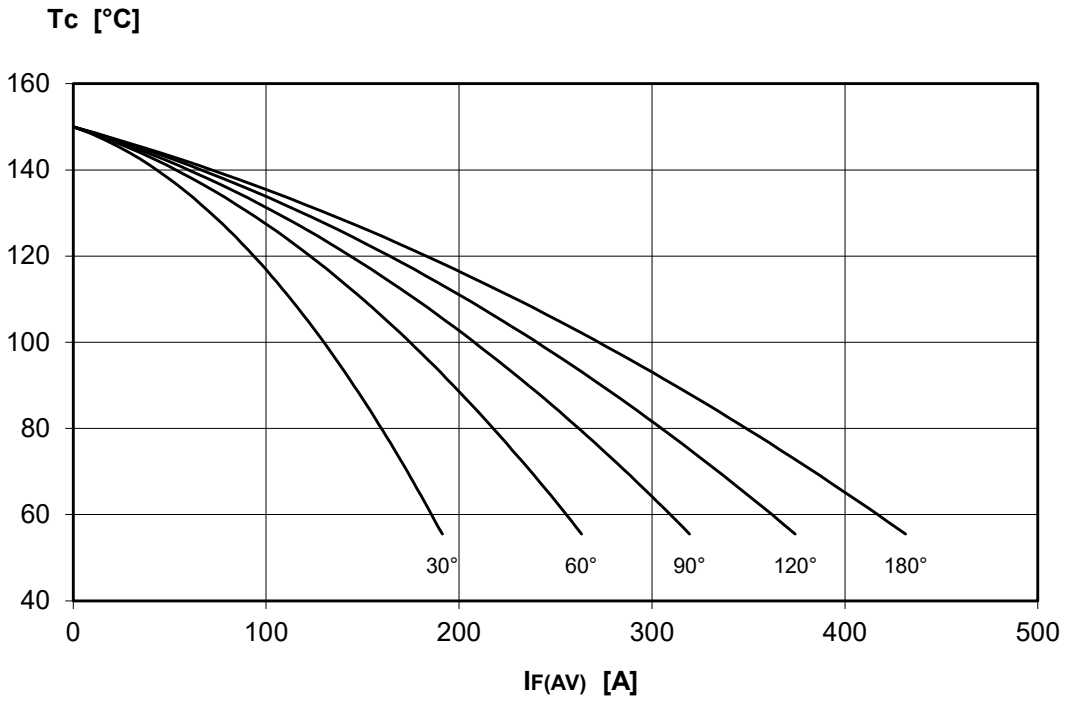
SQUARE WAVE

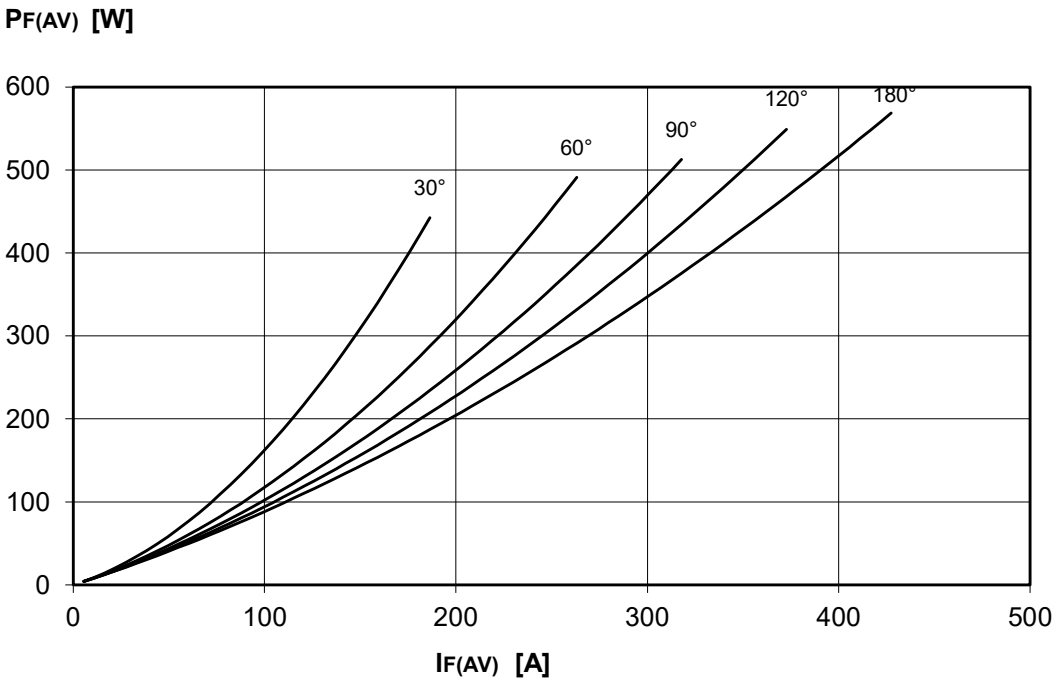




DISSIPATION CHARACTERISTICS

SINE WAVE

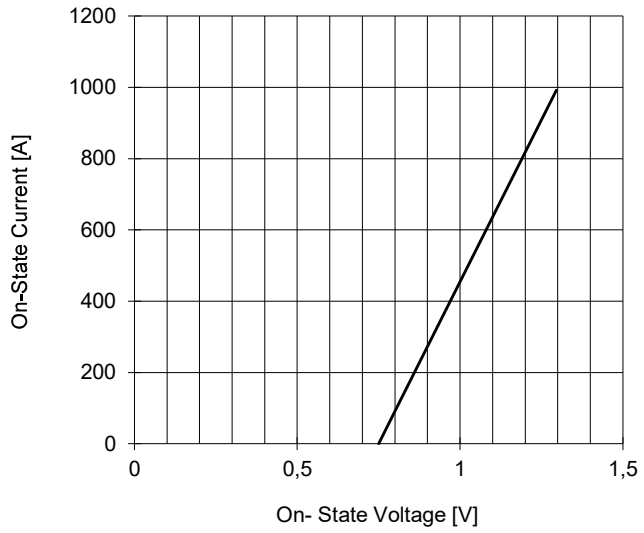




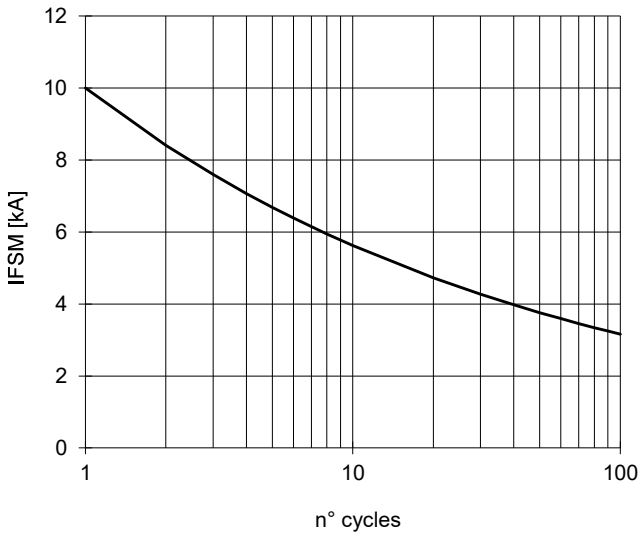
ADD335 RECTIFIER DIODES MODULE

FINAL SPECIFICATION Mar. 23 - Issue: 1

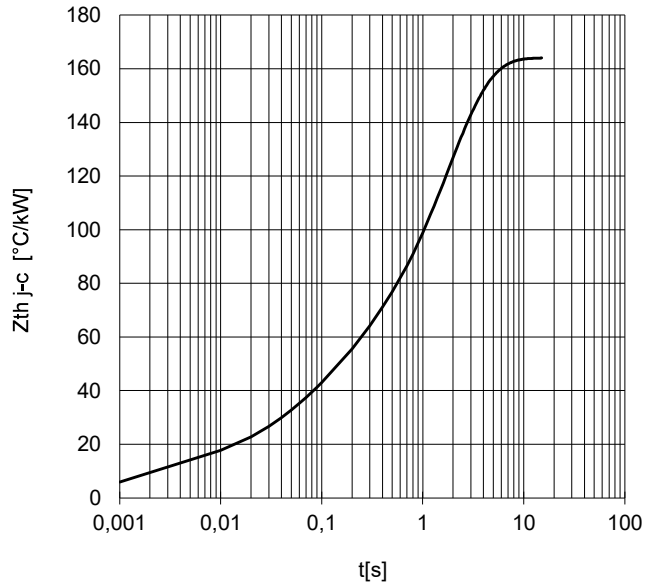
ON-STATE CHARACTERISTIC
Tj = 150 °C

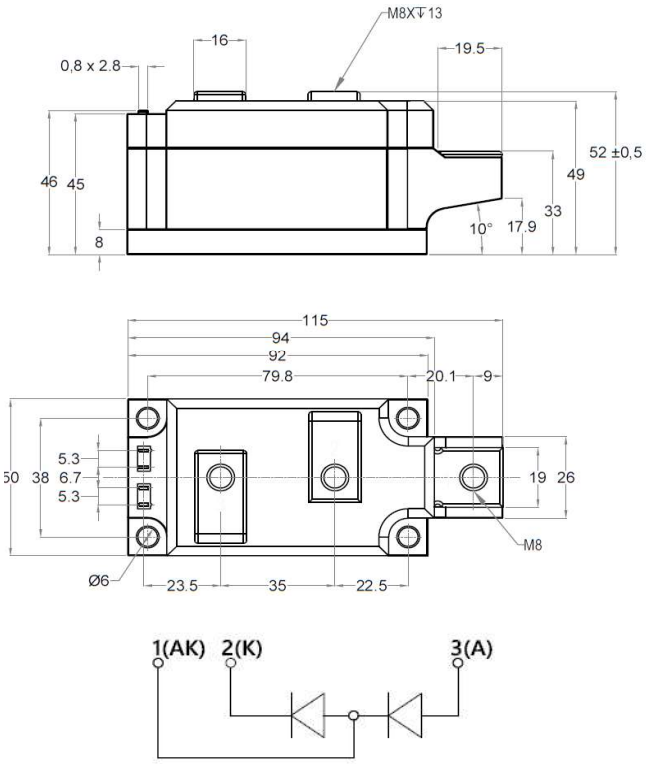


SURGE CHARACTERISTIC
Tj = 150 °C



TRANSIENT THERMAL IMPEDANCE





All the characteristics given in this data sheet are guaranteed only with uniform clamping force, cleaned and lubricated heatsink, surfaces with flatness < .03 mm and roughness < 2 µm.
In the interest of product improvement POSEICO SpA reserves the right to change any data given in this data sheet at any time without previous notice.
If not stated otherwise the maximum value of ratings (simbols over shaded background) and characteristics is reported.

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