

查询AR508LT供应商

捷多邦, 专业SMT贴片厂, 24小时加急出货

POSEICO

POSEICO SPA

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RECTIFIER DIODE

AR508LT

Repetitive voltage up to **600 V**

Mean forward current **6000 A**

Surge current **55 kA**

TARGET SPECIFICATION

Iug 02 - ISSUE : 4

Symbol	Characteristic	Conditions	Tj [°C]	Value	Unit
BLOCKING					
V _{RRM}	Repetitive peak reverse voltage		190	600	V
V _{RSM}	Non-repetitive peak reverse voltage		190	700	V
I _{RRM}	Repetitive peak reverse current	V=VRRM	190	75	mA
CONDUCTING					
I _F (AV)	Mean forward current	180° sin ,50 Hz, Th=55°C, double side cooled		6000	A
I _F (AV)	Mean forward current	180° sin ,50 Hz, Tc=85°C, double side cooled		6400	A
I _{FSM}	Surge forward current	Sine wave, 10 ms without reverse voltage	190	55	kA
I ² t	I ² t			15125 x 1E3	A²s
V _{FM}	Forward voltage	Forward current = 4500 A	190	0.88	V
V _{F(TO)}	Threshold voltage		190	0.70	V
r _F	Forward slope resistance		190	0.040	mohm
SWITCHING					
t _{rr}	Reverse recovery time		190		μs
Q _{rr}	Reverse recovery charge				μC
I _{rr}	Peak reverse recovery current				A
MOUNTING					
R _{th(j-h)}	Thermal impedance, DC	Junction to heatsink, double side cooled		17	°C/kW
R _{th(c-h)}	Thermal impedance	Case to heatsink, double side cooled		5	°C/kW
T _j	Operating junction temperature			-30 / 190	°C
F	Mounting force			20.0 / 22.0	kN
	Mass			150	g
ORDERING INFORMATION : AR508LT S 06					
standard specification ☐ ☐ VRRM/100					



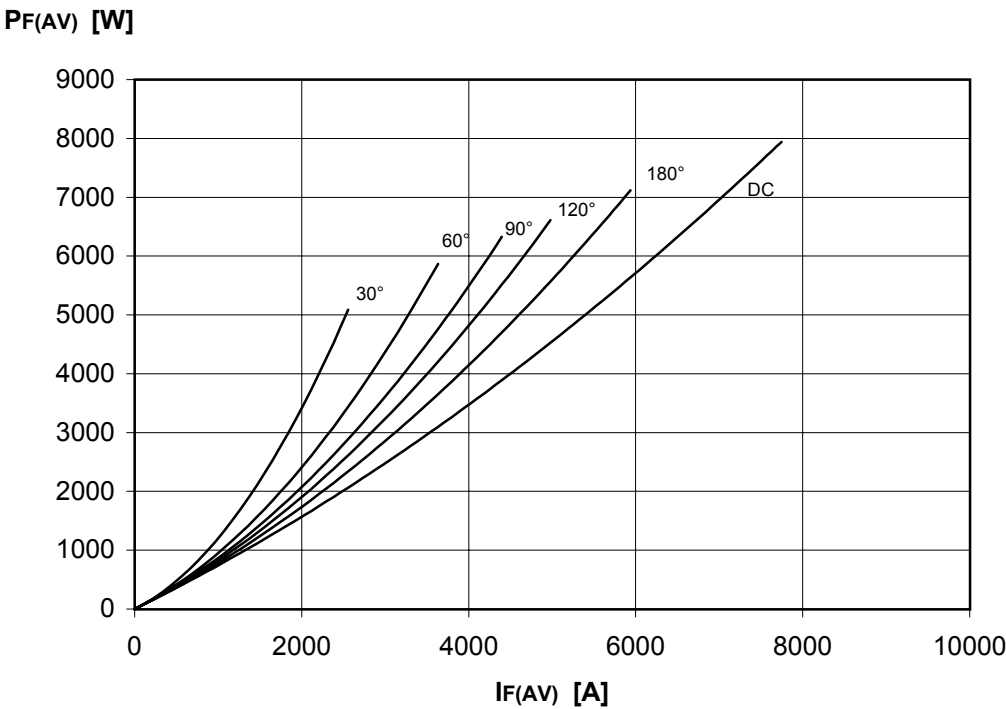
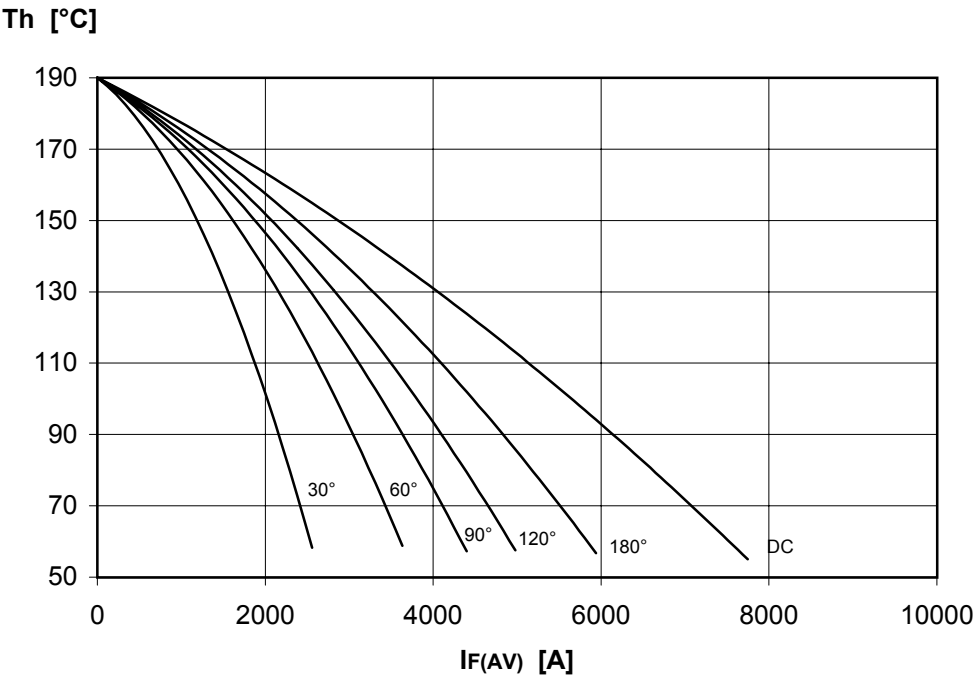
AR508LT RECTIFIER DIODE



TARGET SPECIFICATION lug 02 - ISSUE : 4

DISSIPATION CHARACTERISTICS

SQUARE WAVE



AR508LT RECTIFIER DIODE

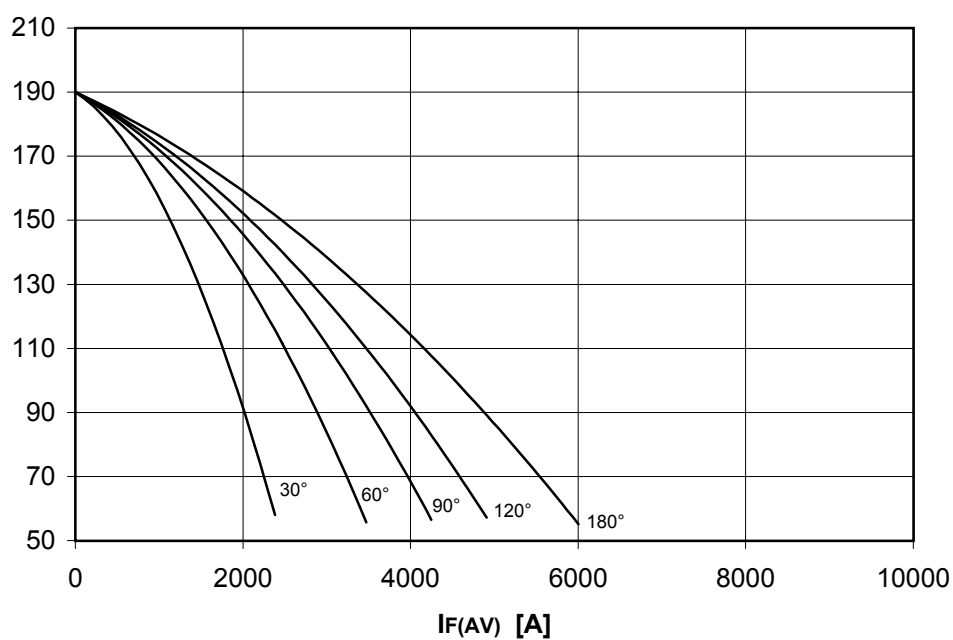


TARGET SPECIFICATION lug 02 - ISSUE : 4

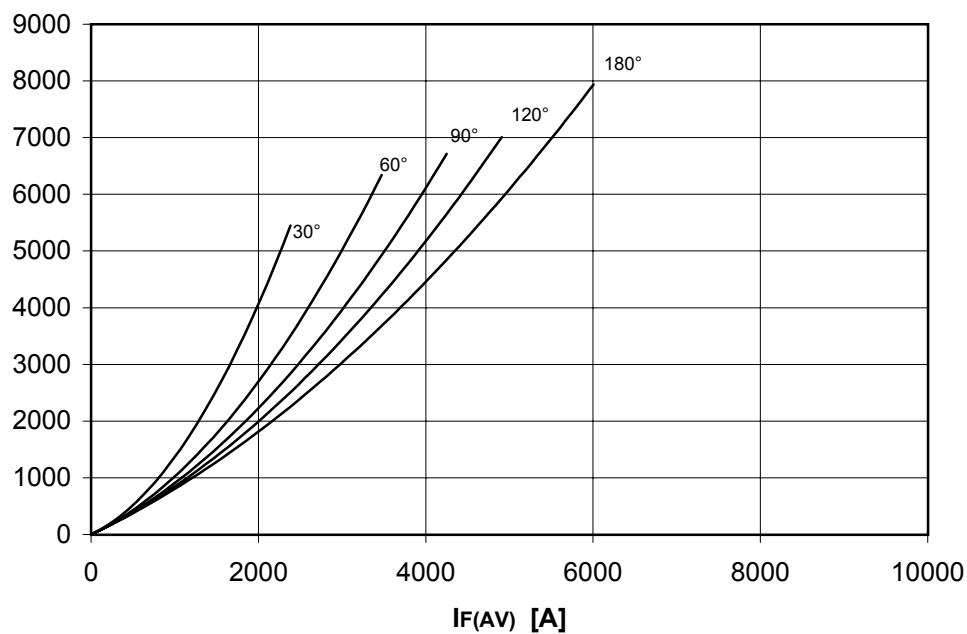
DISSIPATION CHARACTERISTICS

SINE WAVE

T_h [°C]



$P_F(AV)$ [W]

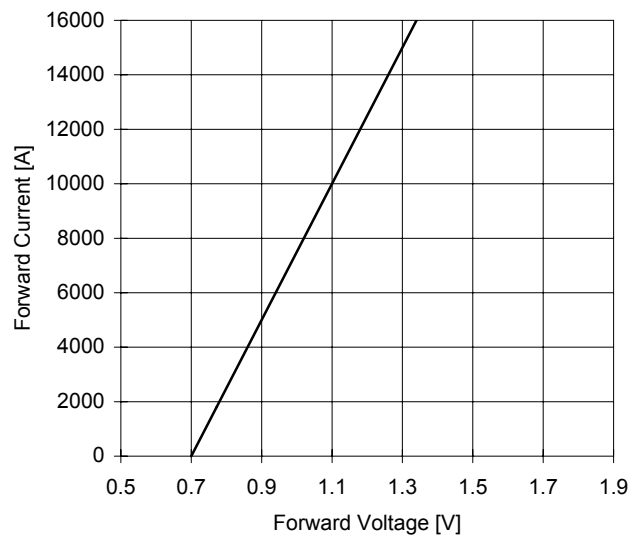


AR508LT RECTIFIER DIODE

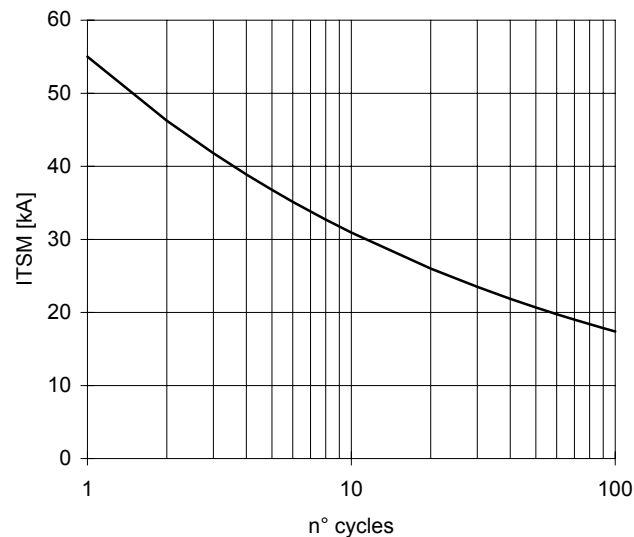


TARGET SPECIFICATION lug 02 - ISSUE : 4

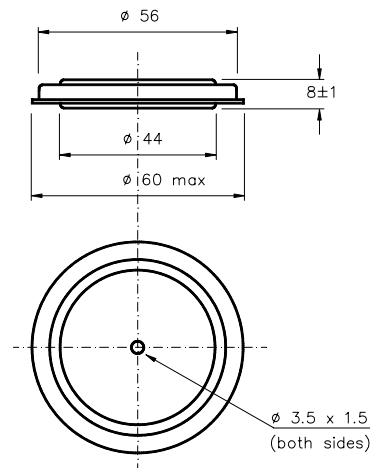
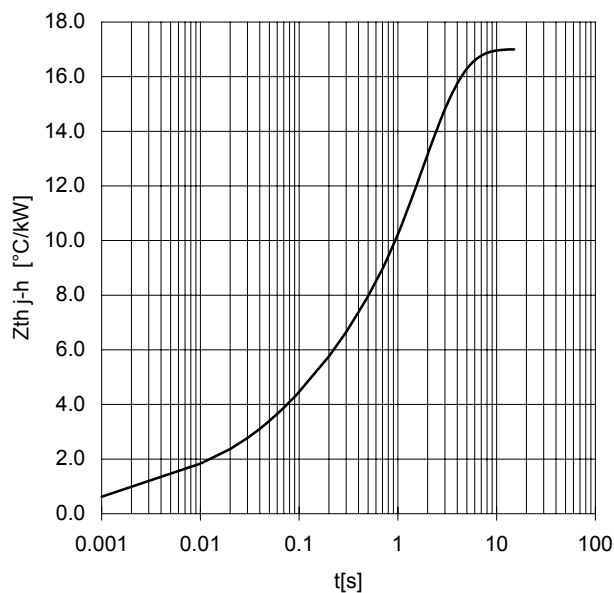
FORWARD CHARACTERISTIC
 $T_j = 190^\circ\text{C}$



SURGE CHARACTERISTIC
 $T_j = 190^\circ\text{C}$



TRANSIENT THERMAL IMPEDANCE
DOUBLE SIDE COOLED



Dimensions
in mm



All the characteristics given in this data sheet are guaranteed only with uniform clamping force, cleaned and lubricated heatsink, surfaces with flatness $< .03\text{ mm}$ and roughness $< 2\text{ }\mu\text{m}$.
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 (symbols over shaded background) and characteristics is reported.

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