

POSEICO SPA

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PHASE CONTROL THYRISTOR AT980

Repetitive voltage up to 6000 V

Mean on-state current 3036 A

Surge current 50 kA

TARGET SPECIFICATION

set 08 - ISSUE : 05

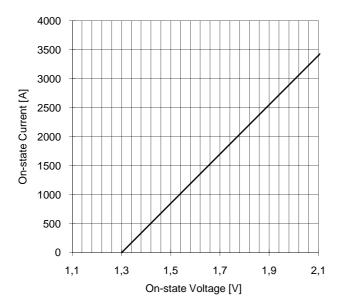
Tj [°C]	Value	Unit
120	6000	V
120	6100	V
120	6000	V
120	300	mA
120	300	mA
t	3036	Α
d	2244	Α
120	50,0	kA
	12500 x1E3	A²s
120	2,78	V
120	1,30	V
120	0,235	mohm
·		
120	200	A/µs
120	1000	V/µs
25		μs
	600	μs
120		μC
		Α
25	500	mA
25	1000	mA
'		
25	3,5	V
25	400	mA
120	0,25	V
	10	V
	10	Α
	10	V
	150	W
	3	W
l l		
	7,0	℃/kW
	1,0	℃/kW
	-30 / 120	C
	80 / 100	kN
	3000	g
		3000

AT980 PHASE CONTROL THYRISTOR

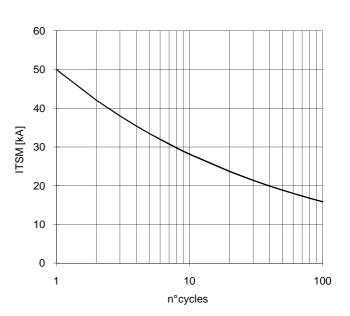


TARGET SPECIFICATION set 08 - ISSUE: 05

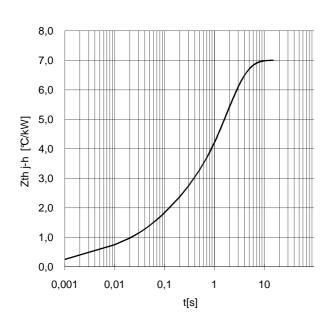
ON-STATE CHARACTERISTIC Tj = 120 ℃

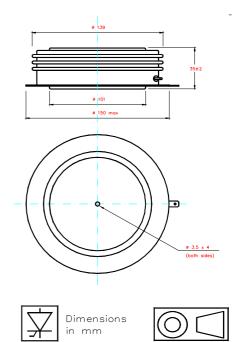


SURGE CHARACTERISTIC $Tj = 120 \ C$



TRANSIENT THERMAL IMPEDANCE DOUBLE SIDE COOLED





Cathode terminal type DIN 46244 - A 4.8 - 0.8 Gate terminal type AMP 60598 - 1

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 $\mu m.$

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 (simbols over shaded background) and characteristics is reported.

