

HIGHLIGHTS

- Standard compatible package
- Hard solder joints
- Solid trought ceramic copper base



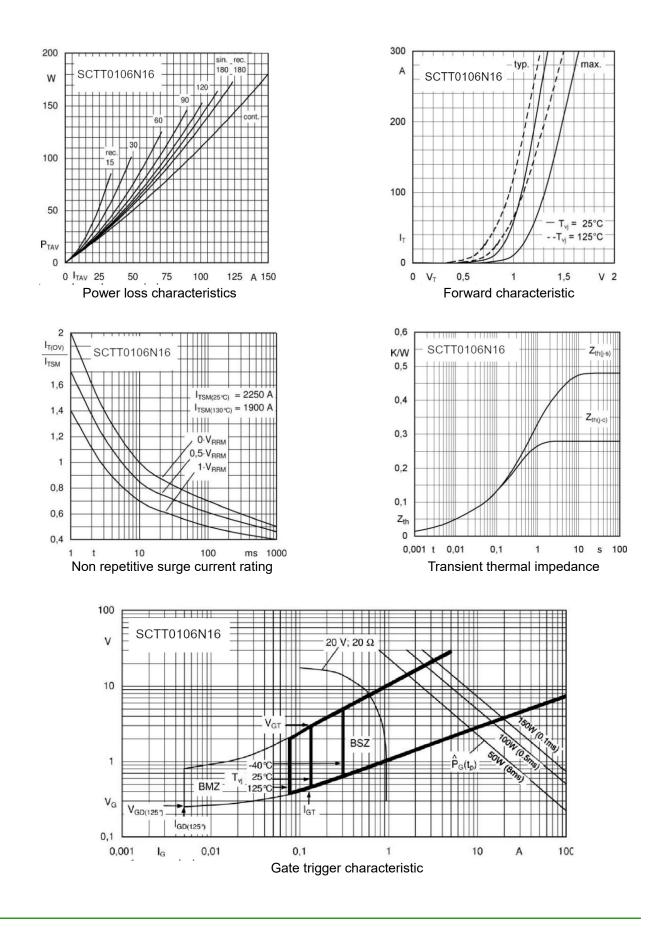
### **TECHNICAL SPECIFICATIONS**

Electrical p	roperties				non-con	tractual imag
Symbol	Parameter	Notes and Conditions	Min	Тур	Мах	Units
V <sub>RRM</sub>	Repetitive reverse voltage		-	1600	-	V
I <sub>AV</sub>	Average forward current	T <sub>j</sub> =125°C	-	106	-	А
I <sub>AV</sub>	R.M.S. Forward current	T <sub>j</sub> =125°C	-	166	-	А
I <sub>FSM</sub>	Surge forward current	$T_j = 125^{\circ}C, V_r = 0.8V_{RRM}, t_p = 10ms$	-	2250	-	А
l²t	l²t value		-	2,5	-	kA <sup>2</sup> t
dv/dt	dv/dt value		-	-	500	V/µs
di/dt	di/dt value		-	100	-	A/µs
I <sub>RRM</sub>	Reverse current	Tj=25125°C	4	-	20	mA
V <sub>0</sub>	Treshold voltage		-	0,9	-	V
<b>r</b> <sub>0</sub>	Slope resistance		-	2,0	-	mOhm
V <sub>F</sub>	On state voltage	Tj=25°C, I™=300A	-	1,65	-	V
I <sub>GT</sub>	Gate current	Tj=25°C	-	100		mA
V <sub>GT</sub>	Gate voltage	Tj=25°C	-	2,0	-	V
IL.	Latching current	Tj=25°C	-	600	-	mA
I <sub>H</sub>	Holding current	Tj=25°C	-	250	-	mA
Visol	Module base isolation	Ac 50Hz / 1 min	-	3000	-	V
Thermal pro	operties					
Symbol	Parameter	Notes and Conditions	Mi	n Ty	p Max	Units
$T_{min}T_{max}$	Max. operating junction temperature		-4	0 -	125	°C
T <sub>stg</sub>	Storage temperature		-4	0 -	125	°C
RTH <sub>jc</sub>	Thermal resistance junction-capsule (Single thyristor)	DC (continuous)	-	0,2	8 -	K/W
		Sin 180°	-	0,3	0 -	K/W
		Sin 120°	-	0,3	2 -	K/W
$RTH_{ch}$	Thermal resistance capsule-heatsink	For module	-	0,1	0 -	K/W
Mechanical	properties					
Symbol	Parameter	Notes and Conditions	Mi	n Ty	p Max	Units
V <sub>cc</sub>	Weight		-	95	5 -	g
M1	Mounting torque		4,2	25 5,0	0 5,75	Nm
M2	Terminal mounting torque (M5)		2,5	55 3,0	0 3,45	Nm

Dual thyristor power module

Reserves the right to change limits, test conditions and dimensions given in this data sheet at any time without previous notice.

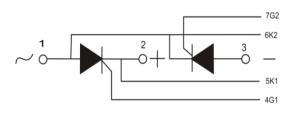




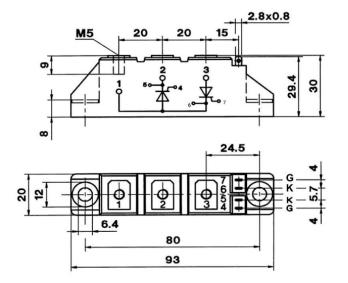
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### **CIRCUIT DIAGRAM**



#### DIMENSIONS



All dimensions in mm

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