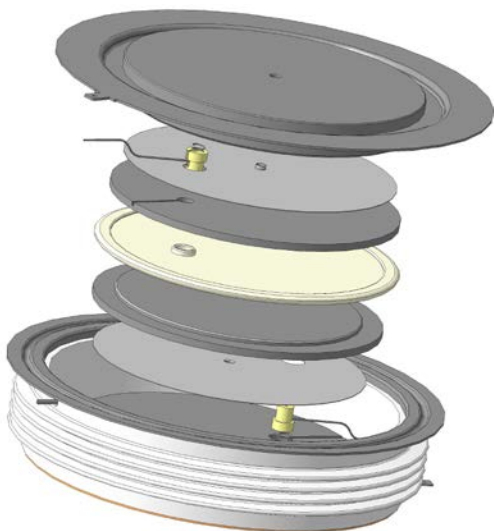


# THYRISTORS

## BI-DIRECTIONAL



### BENEFITS

- ◆ Current from 1400 A up to 2000 A
- ◆ Blocking voltage 4 200..6 500 V
- ◆ Free-floating silicon technology
- ◆ Diameter of silicon chip 4 and 5 inches
- ◆ Compensating discs on MMC AISiC

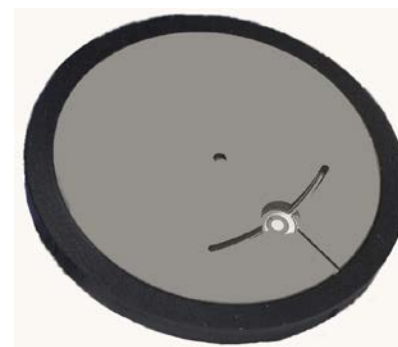
### New product

Type	$V_{RM}$	$I_{T(AV)}$	$I_{TSM}$	$(di_T/dt)_{cr}$	$(dv_D/dt)_{cr}$	$R_{th(j-c)}$	$T_{jmax}$	F	Start of production
		$T_c = 70^\circ C$	$t_p = 10ms$	$T_{jmax}$	$T_{jmax}$				
	V	A	kA	A/ $\mu s$	V/ $\mu s$	$^\circ C/W$	$^\circ C$	kN	month/year
TSD193-2000*	3800-4200	2000	32	250	2000	0.012	125	85	09/2017
TSD193-1600*	6000-6500	1400	24	250	2000	0.012	125	85	12/2017
TSD1103-1600*	6000-6500	1600	30	250	2000	0.009	120	130	03/2018

\* preliminary date

### TYPICAL APPLICATIONS

- ◆ Static var compensation (SVC)
- ◆ Thyristor Controlled Shunt Reactors (TCRs)
- ◆ Medium voltage drives
- ◆ Soft starters



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