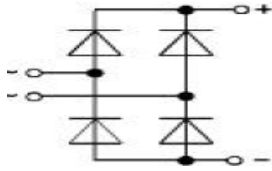


# CAPITÓLIO

## Power Bridge Rectifier

## Model CSB25



VOLTAGE RATINGS MAXIMUM	LIMITS UNITS
$V_{DRM}$ Repetitive peak off-state voltage,	1600-2200 V
$V_{DSM}$ Non-repetitive peak off-state voltage,	1600-2200 V
$V_{RRM}$ Repetitive peak reverse voltage,	1600-2200 V
$V_{RSM}$ Non-repetitive peak reverse voltage	1700-2300V

Symbol	Test Conditions	Values	Unit
$I_D$	$T_a = 45^\circ\text{C}$ (Isolated)	3,5	A
$I_{DCL}$	$T_a = 45^\circ\text{C}$ (Chassis)	10	A
	$T_a = 45^\circ\text{C}$ (Isolated)	3	A
	$T_a = 45^\circ\text{C}$ (Chassis)	9,5	A
$I_{FSM}$	$T_{VJ} = 25^\circ\text{C}$ , 10 ms	370	A
	$T_{VJ} = 150^\circ\text{C}$ , 8.3...10 ms	320	A
$I^2t$	$T_{VJ} = 25^\circ\text{C}$ , 10 ms	680	A <sup>2</sup> s
	$T_{VJ} = 150^\circ\text{C}$ , 8.3...10 ms	500	A <sup>2</sup> s
$R_{th(j-a)}$	Isolated	15	K/W
$R_{th(j-c)}$	Chassis	4,7	K/W
$R_{th(j-c)}$	Total	2	K/W
$R_{th(c-s)}$	Total	0,15	K/W
$T_{Vj}$		-40... + 150	C°
$T_{stg}$		-55... + 150	C°
$V_{ISOL}$	a.c 50...60 Hz, RMS 1s/1min. To heatsink	3000/2500	V~
$M_s$		$2 \pm 15$	Nm
$M_t$			Nm
$m$		24	g
$V_F$	$T_{VJ} = 25^\circ\text{C}$ , $I_F = 150^a$	Max. 2,2	V
$V_{(TO)}$	$T_{VJ} = 150^\circ\text{C}$	0,85	V
$r_t$	$T_{VJ} = 150^\circ\text{C}$	12	mΩ
$I_{RD}$	$T_{VJ} = 25^\circ\text{C}$ , $V_{RD} = V_{RRM}$	300	μA
$I_{RD}$	$T_{VJ} = 150^\circ\text{C}$ , $V_{RD} = V_{RRM}$	5	mA
$T_{rr}$	$T_{VJ} = 25^\circ\text{C}$	10	μs
$f_G$		2000	Hz

**CAPITÓLIO** Comércio Representação Importação e Exportação Ltda.

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