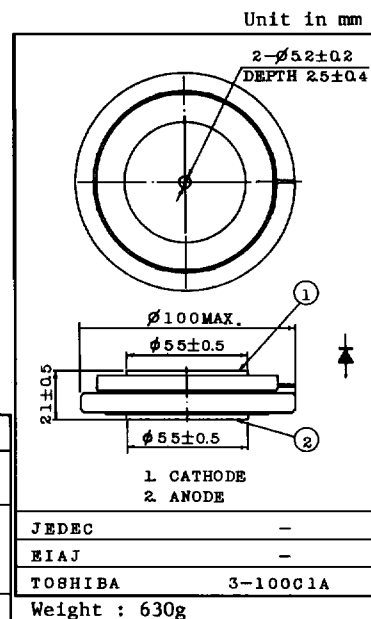


HIGH SPEED RECTIFIER APPLICATIONS.

- . Repetitive Peak Reverse Voltage : $V_{RRM}=2500V$
- . Average Forward Current : $I_F(AV)=800A$
- . Reverse Recovery Time : $t_{rr}=5.0\mu s(Max.)$ ($T_j=25^\circ C$)

MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT
Repetitive Peak Reverse Voltage	V_{RRM}	2500	V
Non-Repetitive Peak Reverse Voltage (Non-Repetitive $\leq 5ms$, $T_j=0 \sim 125^\circ C$)	V_{RSM}	2600	V
Average Forward Current	$I_F(AV)$	800	A
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	16000(50Hz) 17600(60Hz)	A
Junction Temperature	T_j	$-40 \sim 125$	$^\circ C$
Storage Temperature Range	T_{stg}	$-40 \sim 125$	$^\circ C$
Mounting Force	-	29.4 ± 3.0	kN



ELECTRICAL CHARACTERISTICS

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN.	MAX.	UNIT
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=2500V$, $T_j=125^\circ C$	-	150	mA
Peak Forward Voltage	V_{FM}	$I_{FM}=2500A$, $T_j=25^\circ C$	-	2.0	V
Reverse Recovery Time	t_{rr}	$I_F=800A$ $di_F/dt=100A/\mu s$	$T_j=25^\circ C$	5.0	μs
			$T_j=125^\circ C$	7.0	
Thermal Resistance	$R_{th(j-f)}$	Junction to Fin	-	0.025	$^\circ C/W$

