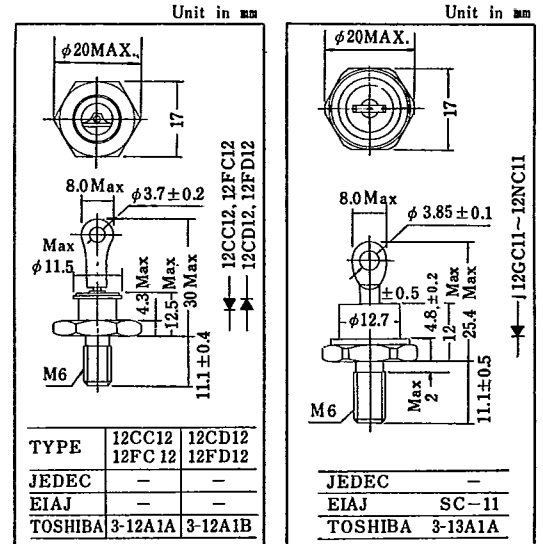


12NC11 1000V 12A

MAXIMUM RATINGS

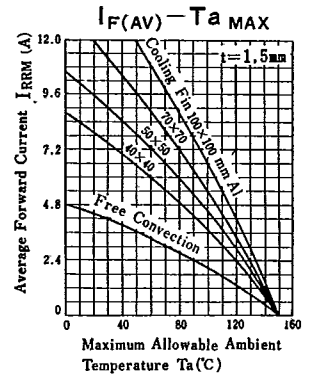
CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	12CC12, 12CD12	150	V
		12FC12, 12FD12	300	
		12GC11	400	
		12JC11	600	
		12LC11	800	
		12NC11	1000	
Average Forward Current * ($T_a=50^\circ\text{C}$)	$I_{F(AV)}$	12	A	
Peak One Cycle Surge Forward Current (Non-Repetitive)	I_{FSM}	12CC12, 12CD12	200 (50Hz)	A
		12FC12, 12FD12		
		12GC11	300 (50Hz)	
		12JC11		
		12LC11		
12NC11				
Storage Temperature Range	T_{stg}	-40~150	$^\circ\text{C}$	
Junction Temperature	T_j	-40~150	$^\circ\text{C}$	
Stud Torque		30	kgcm	



AC34 is available as an accessory. AC34 is available as an accessory.

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

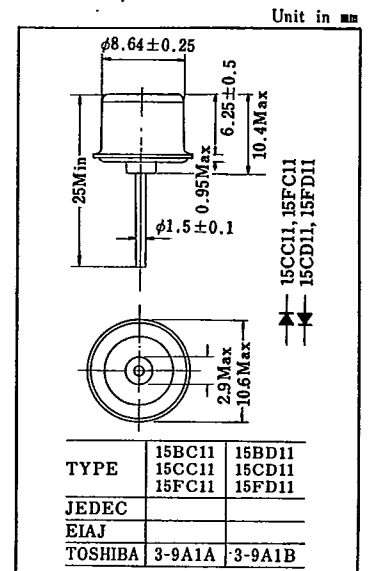
CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=12\text{A}, T_a=25^\circ\text{C}$	-	-	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=150^\circ\text{C}$	-	-	1.5	mA
					2.4	
					2.4	
					2.4	
					2.4	



15FC11, 15FD11 300V 15A

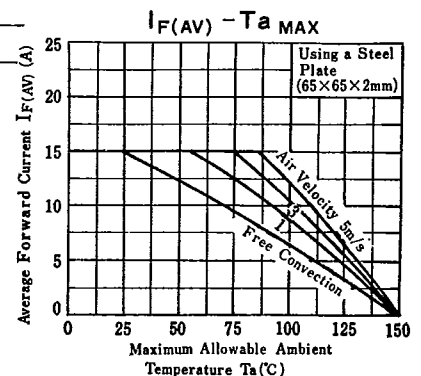
MAXIMUM RATINGS

CHARACTERISTIC	SYMBOL	RATING	UNIT	
Repetitive Peak Reverse Voltage	V_{RRM}	15CC11, 15CD11	150	V
		15FC11, 15FD11	300	
Average Forward Current ($T_c=120^\circ\text{C}$)	$I_{F(AV)}$	15	A	
Peak One Cycle Surge Forward Current (Non-Repetitive) ($T_a=25^\circ\text{C}$)	I_{FSM}	250 (50Hz)	A	
Junction Temperature	T_j	-20~150	$^\circ\text{C}$	
Storage Temperature Range	T_{stg}	-20~150	$^\circ\text{C}$	



ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$)

CHARACTERISTIC	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNIT
Peak Forward Voltage	V_{FM}	$I_{FM}=22\text{A}$	-	-	1.2	V
Repetitive Peak Reverse Current	I_{RRM}	$V_{RRM}=\text{Rated}, T_j=150^\circ\text{C}$	-	-	1.5	mA



MODEL MARKING

Type Name	V_{RRM} Symbol	Polarity Indication
15CC11	C	Red
15FC11	F	
15CD11	C	Black
15FD11	F	

Marking (15FC11)

