

Fast Recovery Rectifier Diode

30APF10

FEATURES

- Short reverse recovery time
- Low forward voltage drop

APPLICATIONS

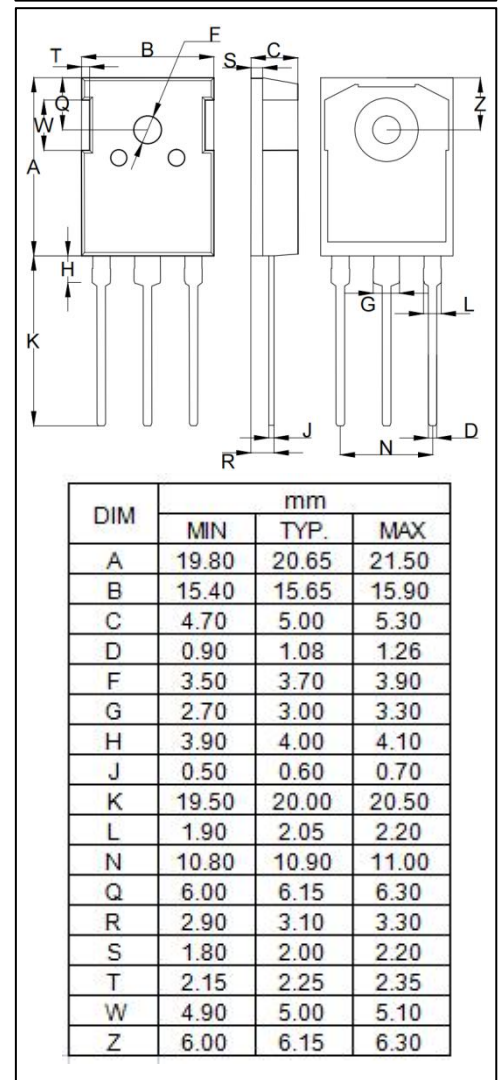
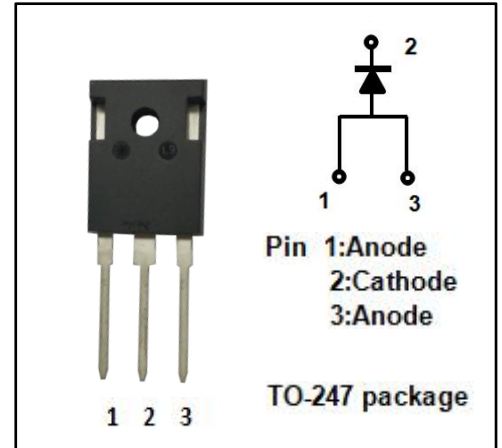
- Inverters、Choppers and Converters
- Output Rectifiers

ABSOLUTE MAXIMUM RATINGS(T_a=25℃)

SYMBOL	PARAMETER	VALUE	UNIT
V _{RRM} V _{RWM} V _R	Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	1000	V
I _{F(AV)}	Average Rectified Forward Current	30	A
I _{FSM}	Non-repetitive Peak Surge Current 10 ms sine pulse, rated V _{RRM} applied	350	A
T _J	Junction Temperature	-40~150	℃
T _{stg}	Storage Temperature Range	-40~150	℃

THERMAL CHARACTERISTICS

SYMBOL	PARAMETER	MAX	UNIT
R _{th j-c}	Thermal Resistance,Junction to Case	0.8	℃/W



Fast Recovery Rectifier Diode**30APF10****ELECTRICAL CHARACTERISTICS**($T_J = 25^\circ\text{C}$ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT
V_F	Maximum Instantaneous Forward Voltage	$I_F = 30\text{A}$, $T_J = 25^\circ\text{C}$	1.41	V
I_R	Maximum Instantaneous Reverse Current	$V_R = V_{RWM}$	0.1	mA
		$V_R = V_{RWM}$, $T_J = 150^\circ\text{C}$	6.0	

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