

HIGH EFFICIENCY FAST RECOVERY RECTIFIER DIODES

MAIN PRODUCT CHARACTERISTICS

$I_F(AV)$	2 x 10 A
V_{RRM}	200 V
$T_j(max)$	150 °C
$V_F(max)$	0.85 V
$trr(max)$	25 ns

FEATURES AND BENEFITS

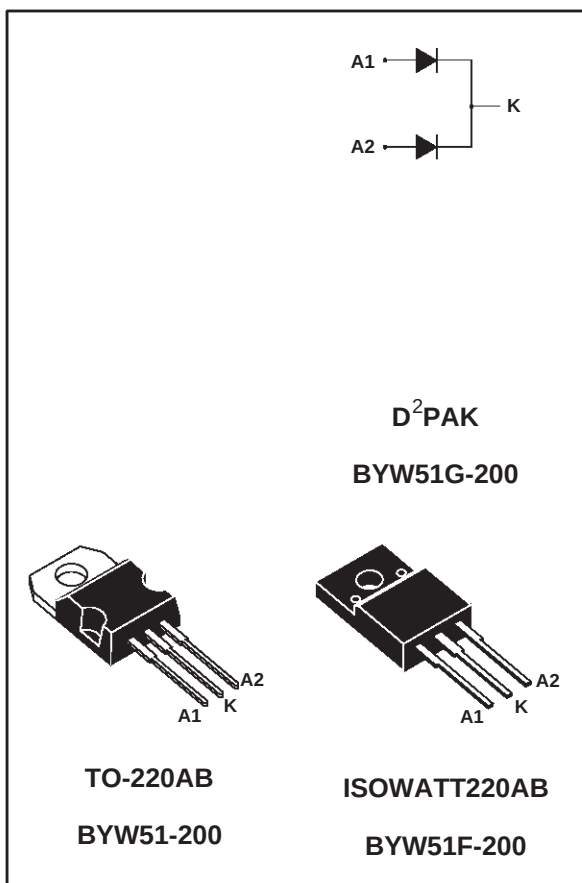
- SUITED FOR SMPS
 - VERY LOW FORWARD LOSSES
 - NEGLIGIBLE SWITCHING LOSSES
 - HIGH SURGE CURRENT CAPABILITY
 - INSULATED PACKAGES (ISOWATT220AB / TO-220FP) :
- Insulation voltage = 2500 V_(RMS)
Capacitance = 12 pF

DESCRIPTION

Dual center tap rectifier suited for Switched Mode Power Supplies and high frequency DC to DC converters.

Packaged in TO-220AB, ISOWATT220AB, TO-220FP or D²PAK, this device is intended for use in low voltage, high frequency inverters, free wheeling and polarity protection applications.

PRELIMINARY DATASHEET



ABSOLUTE RATINGS (limiting values, per diode)

Symbol	Parameter				Value	Unit
V _{RRM}	Repetitive peak reverse voltage				200	V
I _{F(RMS)}	RMS forward current				20	A
I _{F(AV)}	Average forward current δ = 0.5	TO-220AB/D ² PAK	Tc=120°C	Per diode	10	A
				Per device	20	
		ISOWATT220AB	Tc=95°C	Per diode	10	
				Per device	20	
		TO-220FP	Tc=85°C	Per diode	10	
				Per device	20	
I _{FSM}	Surge non repetitive forward current		tp=10ms sinusoidal		100	A
Tstg	Storage temperature range				- 65 to + 150	°C
Tj	Maximum operating junction temperature				150	°C