BYW98-200

HIGH EFFICIENCY FAST RECOVERY RECTIFIER DIODES

FEATURES

- VERY LOW CONDUCTION LOSSES
- NEGLIGIBLE SWITCHING LOSSES
- LOW FORWARD AND REVERSE RECOVERY TIMES
- HIGH SURGE CURRENT
- THE SPECIFICATIONS AND CURVES ENABLE THE DETERMINATION OF t_{rr} AND I_{RM} AT 100°C UNDER USERS CONDITIONS

DESCRIPTION

Low voltage drop and rectifier suited for switching mode base drive and transistor circuits.

DO-201AD
(Plastic)

ABSOLUTE MAXIMUM RATINGS

Symbol	Parameter		Value	Unit
I_{FRM}	Repetive peak forward current	$t_p \leq 20\mu s$	70	A
$I_{F\ (AV)}$	Average forward current*	$T_a = 85°C$ $\delta = 0.5$	3	A
I_{FSM}	Surge non repetitive forward current	$t_p = 10ms$ Sinusoidal	70	A
P_{tot}	Power dissipation *	$T_a = 85°C$	2.5	W
T_{stg} T_j	Storage and junction temperature range		- 40 to + 150 - 40 to + 150	°C
T_L	Maximum lead temperature for soldering during 10s at 4mm from case		230	°C

* On infinite heatsink with 10mm lead length.

Symbol	Parameter	Value	Unit
V_{RRM}	Repetitive peak reverse voltage	200	V
V_{RSM}	Non repetitive peak reverse voltage	200	V