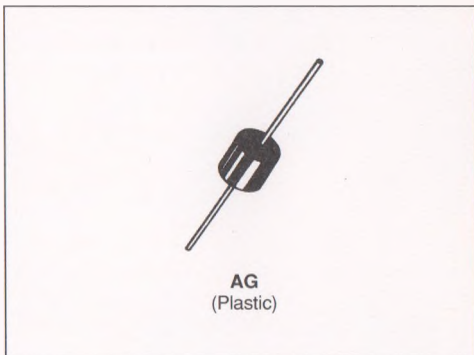


RECTIFIER DIODES

- STANDARD RECTIFIER
- HIGH SURGE CURRENT CAPABILITY
- LOW FORWARD VOLTAGE DROP


ABSOLUTE RATINGS (limiting values)

Symbol	Parameter		Value	Unit
$I_{F(AV)}$	Average Forward Current*	$T_a = 90^\circ\text{C}$	6	A
I_{FSM}	Surge non Repetitive Forward Current	$t_p = 10\text{ms}$ Sinusoidal	400	A
P_{tot}	Power Dissipation*	$T_a = 90^\circ\text{C}$	6	W
T_{stg} T_j	Storage and Junction Temperature Range		- 65 to 150	$^\circ\text{C}$
T_L	Maximun Lead Temperature For Soldering During 10s at 4mm From Case		230	$^\circ\text{C}$

Symbol	Parameter	BY 214-					Unit
		200	400	600	800	1000	
V_{RRM}	Repetitive Peak Reverse Voltage	200	400	600	800	1000	V

THERMAL RESISTANCE

Symbol	Parameter	Value	Unit
$R_{th(j-a)}$	Junction-ambient*	10	$^\circ\text{C/W}$

ELECTRICAL CHARACTERISTICS

Symbol	Test Conditions		Min.	Typ.	Max.	Unit
I_R	$T_j = 100^\circ\text{C}$	$V_R = V_{RRM}$			250	μA
V_F	$T_j = 25^\circ\text{C}$	$I_F = 20\text{A}$			1.2	V

* On infinite heatsink with 10mm lead length
 Single phase, half wave, resistive or inductive load