

BY214-400 --->1000

RECTIFIER DIODES

MAIN PRODUCTS CHARACTERISTICS

I _{F(av)}	6 A
V _{RRM}	1000 V
V _F (max)	1.2 V

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



ABSOLUTE RATINGS (limiting values)

Symbol	Parameter	Value	Unit	
IF(AV)	Average forward current *	Ta=90°C	6	A
IFSM	Surge non repetitive forward current	tp=10ms sinusoidal	400	A
P _{tot}	Power dissipation *	Ta=90°C	6	W
Tstg Tj	Storage and junction temperature range	- 65 to + 150	°C	
TL	Maximum lead temperature for soldering dur 4mm from case	230	°C	

* Single phase, half wave, resistive or inductive load.

Symbol	Parameter	BY214-				Unit
		400	600	800	1000	
V _{RRM}	Repetitive peak reverse voltage	400	600	800	1000	V

THERMAL RESISTANCE

Symbol	Parameter	Value	Unit	
Rth (j-a)	Junction ambient *	10	°C/W	

* On infinite heatsink with 10mm lead lenght

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ELECTRICAL CHARACTERISTICS

Symbol	Test Conditions			Тур.	Max.	Unit
VF *	Tj = 25°C	IF = 20 A			1.2	V
I _R **	$T_j = 100^{\circ}C$	$V_{R} = V_{RRM}$			250	μA

Pulse test : * tp = 380 μ s, duty cycle < 2 %

** tp = 5 ms, duty cycle < 2 %

PACKAGE MECHANICAL DATA

AG (Plastic)



Marking : Type number Weight : 2.16 g

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