

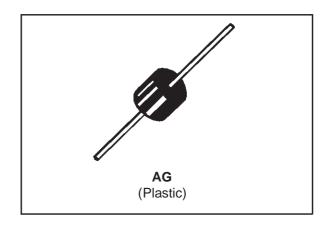
BY214-400 --->1000

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	
I _{F(AV)}	Average forward current *	ge forward current * Ta=90°C		
I _{FSM}	Surge non repetitive forward current	400	A	
P _{tot}	Power dissipation*	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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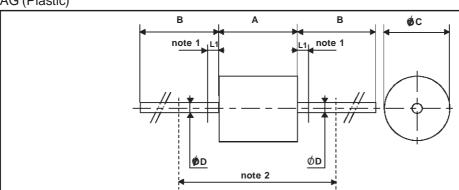
ELECTRICAL CHARACTERISTICS

Symbol	Test Conditions			Тур.	Max.	Unit
V _F *	Tj = 25°C	IF = 20 A			1.2	V
I _R **	T _j = 100°C	$V_R = V_{RRM}$			250	μΑ

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

PACKAGE MECHANICAL DATA

AG (Plastic)



	DIMENSIONS				
REF.	Millimeters Min. Max.		Inc	hes	
			Min.	Max.	
Α		9		0.354	
В	20		0.787		
ØC		8		0.315	
\emptyset D	1.35	1.45	0.053	0.057	
L1		1.27		0.050	

NOTES

- 1- The lead is not controlled within zone L1.
- 2- The minimum axial length within which the device may be placed bent at right angles is 0.79" (20 mm).

Marking: Type number

Weight: 2.16 g

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^{**} tp = 5 ms, duty cycle < 2 %