

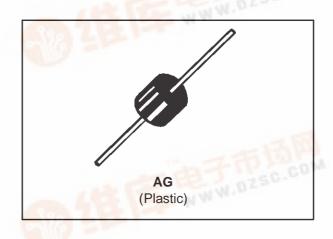
BY214-400 --->1000

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 *	Ta=90°C	6	Α
I _{FSM}	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 dura 4mm from case	230	°C	

^{*} Single phase, half wave, resistive or inductive load.

Symbol	Parameter	BY214-				Unit
		400	600	800	1000	- 00
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



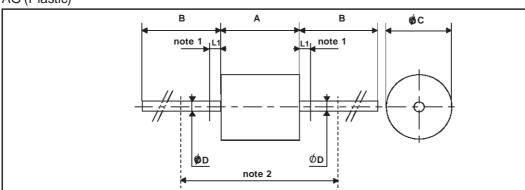
ELECTRICAL CHARACTERISTICS

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

Pulse test: * $tp = 380 \mu s$, duty cycle < 2 %

PACKAGE MECHANICAL DATA

AG (Plastic)



		DIMEN	SIONS		
REF.	Millim	neters	Inches		
	Min.	Max.	Min.	Max.	
А		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 %