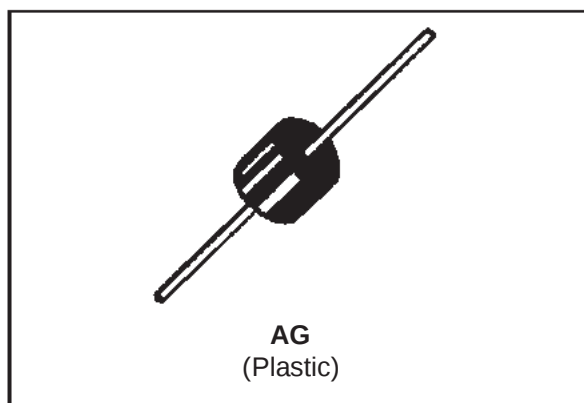


**BY214-400 --->1000****RECTIFIER DIODES****MAIN PRODUCTS CHARACTERISTICS**

$I_{F(av)}$	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 *	$T_a=90^{\circ}\text{C}$	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	Maximum lead temperature for soldering during 10s at 4mm from case		230	$^{\circ}\text{C}$

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

* On infinite heatsink with 10mm lead length

BY214-400 ---> 1000

ELECTRICAL CHARACTERISTICS

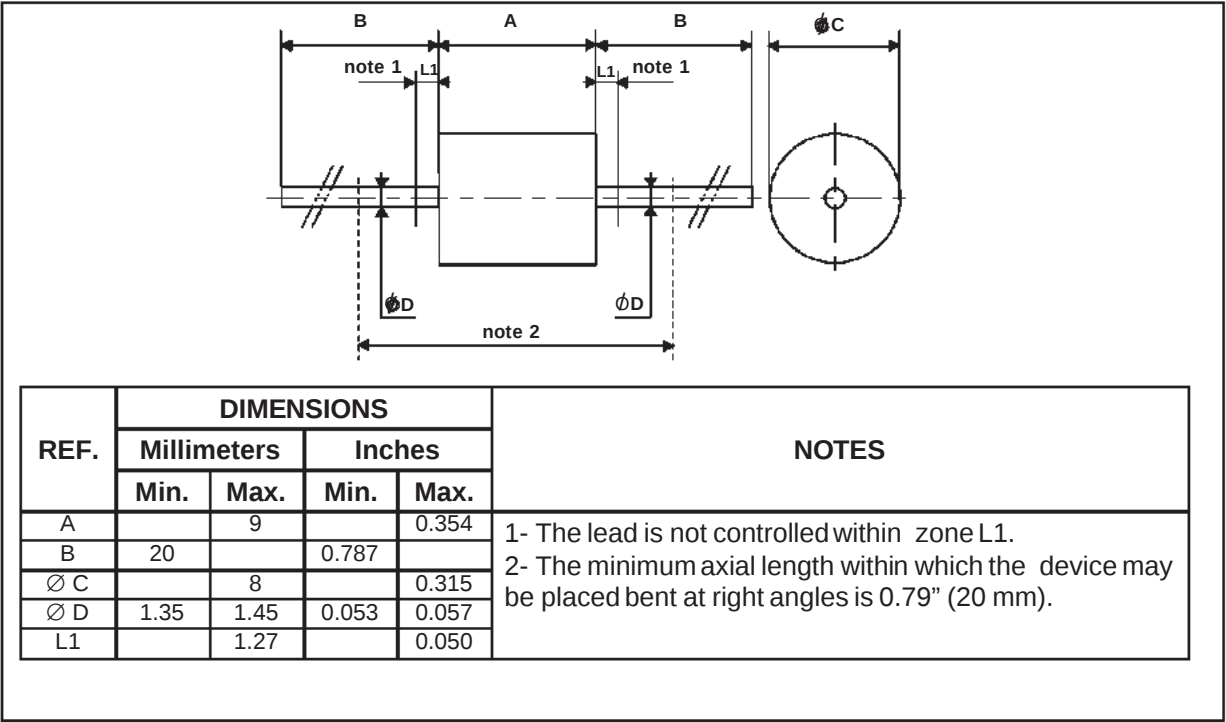
Symbol	Test Conditions		Min.	Typ.	Max.	Unit
V_F *	$T_j = 25^{\circ}\text{C}$	$I_F = 20\text{ A}$			1.2	V
I_R **	$T_j = 100^{\circ}\text{C}$	$V_R = V_{RRM}$			250	μA

Pulse test : * $t_p = 380\text{ }\mu\text{s}$, duty cycle < 2 %

** $t_p = 5\text{ ms}$, duty cycle < 2 %

PACKAGE MECHANICAL DATA

AG (Plastic)



Marking : Type number

Weight : 2.16 g

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