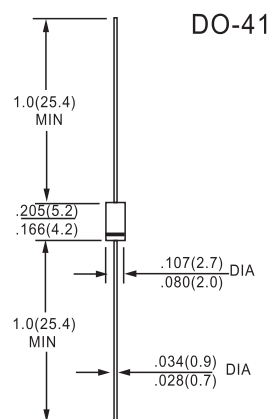




**FEATURES**

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



Dimensions in inches and (millimeters)

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

**ABSOLUTE RATINGS** (limiting values)

Symbol	Parameter	Value	Unit
$I_{F(AV)}$	Average forward current *	$T_a=90^{\circ}C$ 6	A
$I_{FSM}$	Surge non repetitive forward current	$t_p=10ms$ sinusoidal 400	A
$P_{tot}$	Power dissipation *	$T_a=90^{\circ}C$ 6	W
$T_{stg}$ $T_j$	Storage and junction temperature range	- 65 to + 150	$^{\circ}C$
$T_L$	Maximum lead temperature for soldering during 10s at 4mm from case	230	$^{\circ}C$

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	$^{\circ}C/W$

**ELECTRICAL CHARACTERISTICS**

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

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

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