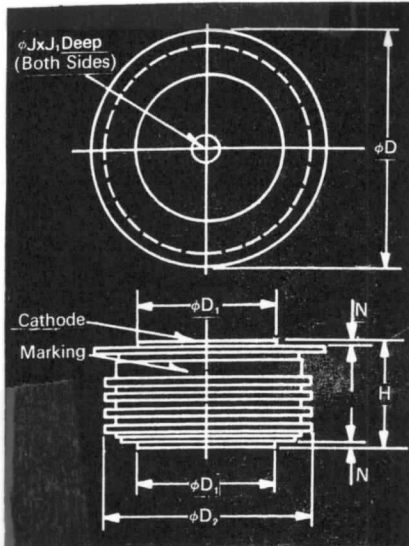


# New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.  
SPRINGFIELD, NEW JERSEY 07081  
U.S.A.

## Fast Recovery Rectifiers R722

500-800 A. Avg.  
Up to 2500 Volts  
2.0 — 5.0  $\mu$ sec



R72 Outline

Symbol	Inches		Millimeters	
	Min.	Max.	Min.	Max.
$\phi D$	2.250	2.290	57.15	58.17
$\phi D_1$	1.333	1.343	33.86	34.11
$\phi D_2$	2.030	2.090	51.56	53.09
H	1.020	1.060	25.91	26.92
$\phi J$	.135	.145	3.43	3.68
$J_1$	.075	.090	1.91	2.29
N	.040		1.02	

Creep Distance—1.15 in. min. (29.36 mm).  
Strike Distance—1.02 in. min. (25.91 mm).  
(In accordance with NEMA standards.)  
Finish—Nickel Plate.  
Approx. Weight—8 oz. (227g).  
1. Dimension "H" is clamped dimension.



### Features:

- Fast Recovery Times
- High Surge Current Ratings
- High Rated Blocking Voltages
- Special Electrical Selection For Parallel and Series Operation
- Non Magnetic Package

### Applications:

- Inverters
- Choppers
- Transmitters
- Free Wheeling

### Ordering Information

Type	Voltage		Current		Recovery Time		Recovery Time Circuit		Leads	
	Code	V <sub>RRM</sub> (V)	Code	I <sub>F</sub> (av) (A)	Code	t <sub>rr</sub> $\mu$ sec	Circuit	Code	Case	Code
R722		100	01	500	05	2.0	JEDEC	X	R72	00
		200	02							
		400	04	600	06	3.0				
		600	06							
		800	08	800	08	5.0				
		1000	10							
		1200	12							
		1400	14							
		1600	16							
		1800	18							
		2000	20							
		2200	22							
	2400	24								
	2500	25								

Obtain optimum device performance for your application selecting proper Order Code.

Type R722 rated at 800A average with  $V_{RRM} = 1200V$  and recovery time = 3.0  $\mu$ sec.

Type	Voltage	Current	t <sub>rr</sub>	Circuit	Leads
R 7 2 2	1 2	0 8	C	J	0 0



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

**Quality Semi-Conductors**