



BR SERIES

2kV to 10kV Medium Current, Fast Recovery
High Voltage Silicon Diodes

Features

- Fast reverse recovery time for high efficiency
- Molded plastic body, ANSI/UL94 V-0 rated material
- RoHS compliant to Directive 2011/65/EC, Article 4(1), Annex II, Annex III, 7(a) and EU RoHS Directive (EU) 2015/863 of March 2015, Amending Annex II.



Part Number	Max. Repetitive Peak Reverse Voltage V_{RRM} (Volts)	Avg. Forward Current Max. I_{FAVM} @ 55°C (Amps)	Max. Forward Voltage Drop V_F @ I_{FAVM} (Volts)	Max. Reverse Current I_R @ V_{RRM} (μA)	Max. Surge Current I_{FSM} (Amps)	Typ. Junction Capacitance C_J (pf)	Max. Reverse Recovery Time T_{RR} (nsec)
BR2	2000	1.0	2.4	5.0	40	-	-
BR4	4000	0.85	4.4	5.0	20	-	-
BR2F	2000	0.9	3.8	5.0	40	35	100
BR3F	3000	0.9	3.8	5.0	40	35	100
BR4F	4000	0.6	7.0	5.0	20	36	100
BR5F	5000	0.6	8.8	5.0	20	20	100
BR6F	6000	0.5	10.5	5.0	20	19	100
BR8F	8000	0.4	12.9	5.0	20	14	100
BR10F	10000	0.25	14.0	5.0	20	10	100
BRU10SF	10000	0.25	17.0	5.0	20	7	75

Note: "-" Implies Parameter is not specified for Standard Recovery diode.

MECHANICAL DATA	Symbol	Min.		Max.	
		in.	mm	in.	mm
Body Length	A	-	-	0.354	9.0
Body Diameter	D	-	-	0.197	5.0
Lead Length	B	0.945	24.0	-	-
Lead Diameter	C	-	-	0.050	1.3

