

Part Number	V _{RRM} (V)	I _{FAV} @T _C (A)	I _{FSM} 50 Hz (A)	I _{FSM} 60Hz (A)	V _{FM} @πX I _{F(AV)} (V)	R _{θJC} (°C/W)	I _{rr} (nS)	Notes	Fax on Demand Number	Case Outline Key
----------------	-------------------------	---	----------------------------------	---------------------------------	--	----------------------------	-------------------------	-------	-------------------------------	------------------------

Discrete

DO-203AB (DO-5)

IRD3899	50	20	100	240	250	1.65	0.60	350	2	3	4	5	6	20092	R7		
IRD3900	100	20	100	240	250	1.65	0.60	350	2	3	4	5	6	20092			
IRD3901	200	20	100	240	250	1.65	0.60	350	2	3	4	5	6	20092			
IRD3902	300	20	100	240	250	1.65	0.60	350	2	3	4	5	6	20092			
IRD3903	400	20	100	240	250	1.65	0.60	350	2	3	4	5	6	20092			
30HFU-100	100	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	R7
30HFU-200	200	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	
30HFU-300	300	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	
30HFU-400	400	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	
30HFU-500	500	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	
30HFU-600	600	30	91	400	420	1.45	0.6	60	2	3	5	6	7	9	10	80060	
IRD3909	50	30	100	285	300	1.80	0.46	350	2	3	4	5	6	20092			
IRD3910	100	30	100	285	300	1.80	0.46	350	2	3	4	5	6	20092			
IRD3911	200	30	100	285	300	1.80	0.46	350	2	3	4	5	6	20092			
IRD3912	300	30	100	285	300	1.80	0.46	350	2	3	4	5	6	20092			
IRD3913	400	30	100	285	300	1.80	0.46	350	2	3	4	5	6	20092			

NOTES:

- For I_{FSM}: 100% V_{RRM} reapplied, T_J=T_J max.=125°C
- trr conditions: T_J = 25°C, IFM = π x rated IF(AV), diI/dt = 25 A/μs.
- V_{FM} measured at T_J = 25°C
- Cathode to stud. To order anode to stud, add 'R' to part number (e.g. IRD3899R, 40HFLR10502)
- Available with metric stud. To order, add M to part number (e.g. 40FL10502M)
- V_{FM} conditions: IFM = 30A_{pk}, T_J=25°C
- V_{FM} conditions: IFM = 60A_{pk}, T_J=25°C
- IF(AV) conditions: 180°C conduction, half sine
- T_J = 25°C, IF=1A, -di/dt = 100A/μs, VR=30V



DO-4



DO-5

