

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

Discrete

40HFL100S05	1000	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093	R7		
40HFL10S02	100	40	75	400	420	1.95	0.6	200	2	3	4	5	6	20093			
40HFL10S05	100	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093			
40HFL20S02	200	40	75	400	420	1.95	0.6	200	2	3	4	5	6	20093			
40HFL20S05	200	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093			
40HFL40S02	400	40	75	400	420	1.95	0.6	200	2	3	4	5	6	20093			
40HFL40S05	400	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093			
40HFL60S02	600	40	75	400	420	1.95	0.6	200	2	3	4	5	6	20093			
40HFL60S05	600	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093			
40HFL80S05	800	40	75	400	420	1.95	0.6	500	2	3	4	5	6	20093			
60HFU-100	100	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	R7
60HFU-200	200	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	
60HFU-300	300	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	
60HFU-400	400	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	
60HFU-500	500	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	
60HFU-600	600	60	82	700	730	1.50	0.36	60	2	3	5	6	8	9	10	80061	
70HFL100S05	1000	70	75	700	730	1.85	0.36	500	2	3	5	6	6	20093	R7		
70HFL10S02	100	70	75	700	730	1.85	0.36	200	2	3	5	6	6	20093			

NOTES:

- For I_{FSM}: 100% V_{RRM} reapplied, T_J=T_J max.=125°C
- t_{rr} conditions: T_J = 25°C, I_{FM} = pr X rated I_{F(AV)}, dI/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. 40FL10S02M)
- V_{FM} conditions: I_{FM} = 30Apk, T_J=25°C
- V_{FM} conditions: I_{FM} = 60Apk, T_J=25°C
- I_{F(AV)} conditions: 180°C conduction, half sine
- T_J = 25°C, I_F=1A, dI/dt = 100A/μs, V_R=30V



DO-4



DO-5

