

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

Discrete

DO-205AB (DO-9)

SD203N04S10PV	400	200	85	4200	4400	1.65	0.115	1000	2	4	12	13	14	15	82064	R24
SD203N08S10PV	800	200	85	4200	4400	1.65	0.115	1000	2	4	12	13	14	15	82064	
SD203N10S10PV	1000	200	85	4200	4400	1.65	0.115	1000	2	4	12	13	14	15	82064	
SD203N12S15PV	1200	200	85	4200	4400	1.65	0.115	1500	2	4	12	13	14	15	82064	
SD203N14S15PV	1400	200	85	4200	4400	1.65	0.115	1500	2	4	12	13	14	15	82064	
SD203N16S15PV	1600	200	85	4200	4400	1.65	0.115	1500	2	4	12	13	14	15	82064	
SD203N20S20PC	2000	200	85	4200	4400	1.65	0.115	2000	2	4	12	13	14	15	82064	R23
SD203N25S20PC	2500	200	85	4200	4400	1.65	0.115	2000	2	4	12	13	14	15	82064	
251UL100S10	1000	250	70	3350	3500	1.78	0.15	1000	2	4	5	15	16		20491	R22
251UL120S15	1200	250	70	3350	3500	1.78	0.15	1500	2	4	5	15	16		20491	
251UL140S15	1400	250	70	3350	3500	1.78	0.15	1500	2	4	5	15	16		20491	
251UL160S15	1600	250	70	3350	3500	1.78	0.15	1500	2	4	5	15	16		20491	
251UL180S20	1800	250	70	3350	3500	1.78	0.15	2000	2	4	5		16		20491	
251UL200S20	2000	250	70	3350	3500	1.78	0.15	2000	2	4	5		16		20491	

NOTES:

- For I_{FSM}: 100% V_{RRM} reapplied. T_J=T_J max =125°C
- I_{rr} conditions: T_J = 25°C, IFM = pi X rated IF(AV), diF/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: IFM = 30Apk, T_J=25°C
- V_{FM} conditions: IFM = 60Apk, T_J=25°C
- IF(AV) conditions: 180°C conduction, half sine
- T_J = 25°C, IF=1A, dk/dt = 100A/μs, VR=30V



DO-30



DO-9



B-8

