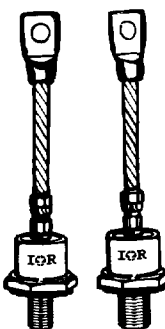


Diodes

Fast Recovery

110–250 Amps

International
IOR Rectifier

Part Number (12)	VRRM (V)	IF(AV) @ TC		IFSM (1)		VFM @ IFM		RthJC (°C/W)	t _{rr} (7) (ns)	Case Outline Number (11)	Notes	Case Style									
		(A)	(°C)	50 Hz (A)	60 Hz (A)	(V)	(A)														
SD103N02...PV SD103N04...PV SD103N06...PV SD103N08...PV SD103N10...PV SD103N12...PV SD103N14...PV SD103N16...PV SD103N18...PC SD103N20...PC SD103N22...PC SD103N24...PC SD103N25...PC	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2500	110	85	3000	3140	2.23	345	0.16	500 to 2000	R11 (R14)	(2) (3) (4) (5) (8) (13)	DO-205AC (DO-30) DO-205AA (DO-8) 									
	1000 to 2000																				
	2000								R12 (R15)												
SD153N02...PV SD153N04...PV SD153N06...PV SD153N08...PV SD153N10...PV SD153N12...PV SD153N14...PV SD153N16...PV	200 400 600 800 1000 1200 1400 1600	150	85	3600	3770	1.55	470	0.16	1000 to 2000	R11 (R14)											
	1500 to 2000																				
251UL80... 251UL100... 251UL120... 251UL140... 251UL160... 251UL180... 251UL200... 251UL220... 251UL240... 251UL250...	800 1000 1200 1400 1600 1800 2000 2200 2400 2500	250	70	3350	3500	1.78	1000	0.15	1000 to 2000	R22	(9) (13)	DO-205AB (DO-9) 									
	2000																				
SD203N02...PV SD203N04...PV SD203N06...PV SD203N08...PV SD203N10...PV SD203N12...PV SD203N14...PV SD203N16...PV SD203N18...PC SD203N20...PC SD203N22...PC SD203N24...PC SD203N25...PC	200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2500								200	85			4200	4400	1.65	628	0.115	1000 to 2000	R23	(2) (4) (5) (8) (13)	
	2000																	R24			
SD253N02...PV SD253N04...PV SD253N06...PV SD253N08...PV SD253N10...PV SD253N12...PV SD253N14...PV SD253N16...PV	200 400 600 800 1000 1200 1400 1600								250	85			4500	4710	1.38	785	0.115	1000 to 2000	R23		
	2000																				

(1) 100% VRRM reapplied @ Tj = Tj max.

(2) Cathode to stud. For anode to stud change "N" to "R" (e.g., SD103R02S05PV).

(3) DO-30 standard, for DO-8 case change "P" to "W" (e.g., SD103N02S15WV).

(4) Available with metric stud: To specify change "P" to "M" in part number (e.g., SD103N02S10MV).

(5) Available with flat base. To specify change "P" to "F" in part number (e.g., SD103N02S20FV).

(7) Tj = 25°C.

(8) Available with flag lead: To specify add "B" to part number (e.g., SD203N02S10PBV).

(9) Cathode to stud. For anode to stud add "R" to part number (e.g., 251ULR80S20).

(11) For case outline drawing see page 0-2.

(12) To complete the part number refer to Table 1, trr code table, see page M-10.

(13) VFM measured at Tj = 25°C.