

Switching Diode Line Up

Switching Diode for SMD Package

Item	Absolute Max Ratings			Electrical Characteristics												Chip size (mm)x(mm)	Features
	V _{RSM} (V)	V _{RRM} (V)	I _{FRM} (mA)	V _F (Max.) (V) @I _F (mA)		V _B (Min.) (V) @I _R (μ A)		I _R (Max.) (nA) @V _R (V)		t _{rr} (Max.) (ns) @I _F (mA) I _R (mA)			C _t (Max.) (pF) @V _R (V) f (MHz)				
5DS01M☆	105	100	300	1.2	100	105	100	25	30	4	10	10	2	0	1	0.28 x 0.28	High Speed
5DS02M	105	100	300	1.2	100	105	100	25	30	4	10	10	2	0	1	0.26 x 0.26	High Speed
5DS03M☆	105	100	300	1.2	100	105	100	25	30	4	10	10	2	0	1	0.35 x 0.35	High Speed
5DS04M☆	105	100	300	1.2	100	105	100	25	30	4	10	-	2	0	1	0.28 x 0.28	High Speed
5DS05M☆	105	100	300	1.2	100	105	100	25	30	4	10	-	2	0	1	0.26 x 0.26	High Speed
5DS06M☆	105	100	300	1.2	100	105	100	25	30	4	10	10	2	0	1	0.235x0.235	High Speed
5DS11M	85	85	500	1.25	150	100	100	5	75	3000	10	10	2	0	1	0.28 x 0.28	Low Leakage
5DS21M☆	80	80	300	1.2	100	80	100	100	70	4	5	-	2	0	1	0.39 x 0.39	High Speed, Common Cathod
5DS22M	80	80	300	1.2	100	80	100	100	70	4	10	10	4	0	1	0.39 x 0.39	High Speed, Common Cathod
5DS31M	300	300	625	1.0	100	300	100	100	240	50	30	30	5	0	1	0.41 x 0.41	High Voltage

Switching Diode for Axial-glass Package

Item	Absolute Max Ratings			Electrical Characteristics												Chip size (mm)x(mm)	Features
	V _{RSM} (V)	V _{RRM} (V)	I _{FRM} (mA)	V _F (Max.) (V) @I _F (mA)		V _B (Min.) (V) @I _R (μ A)		I _R (Max.) (nA) @V _R (V)		t _{rr} (Max.) (ns) @I _F (mA) I _R (mA)			C _t (Max.) (pF) @V _R (V) f (MHz)				
5DS01B	100	75	500	1.05	100	100	100	25	20	4	10	10	4	0	1	0.24 x 0.24	High Speed
5DS02B	100	75	500	1.05	100	100	100	25	20	4	10	10	4	0	1	0.26 x 0.26	High Speed
5DS03B	100	75	500	1.05	100	100	100	25	20	4	10	10	4	0	1	0.235x0.235	High Speed
5DS04B	100	75	500	0.98	100	100	100	25	20	4	10	-	4	0	1	0.26 x 0.26	High Speed
5DS06BF	100	75	500	0.98	100	100	100	25	20	4	10	-	4	0	1	0.235x0.235	High Speed
5DS10B	100	75	500	1.0	10	135	50	25	20	4	10	-	4	0	1	0.235x0.235	High Speed
5DS19B	100	100	450	1.45	500	105	10	23	20	4	10	10	2	0	1	0.28 x 0.28	High Speed
5DS32B	250	250	625	1.25	200	260	100	100	200	50	30	30	5	0	1	0.38 x 0.38	High Voltage General purpose
5DS33B	250	250	625	1.25	200	250	100	100	200	50	30	30	5	0	1	0.38 x 0.38	High Voltage General purpose
5DS70B	100	75	500	1.00	100	100	100	25	20	4	10	10	4	0	1	0.26 x 0.26	High Speed