

Switching Diode Line Up

Switching Diode for SMD Package

Item	Absolute Max Ratings			Electrical Characteristics												Chip size (mm)x(mm)	Features
	VRSM (V)	VRRM (V)	IFRM (mA)	VF (Max.) (V)		BV (Min.) (V)		IR (Max.) (nA)		trr (Max.) (ns)			Ct (Max.) (pF)				
				@IF(mA)	@IR(μA)	@VR(V)	(ns)	@IF(mA)	IR (mA)	(pF)	@VR(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	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
	VRSM (V)	VRRM (V)	IFRM (mA)	VF (Max.) (V)		BV (Min.) (V)		IR (Max.) (nA)		trr (Max.) (ns)			Ct (Max.) (pF)				
				@IF(mA)	@IR(μA)	@VR(V)	(ns)	@IF(mA)	IR (mA)	(pF)	@VR(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