

Silicon Pin Diodes

Switching Pin Diodes

SWITCHING PIN DIODES

Breakdown Voltage V_{br} @ $I_r = 10 \mu A$ V	Application	Capacitance @ $F = 1 \text{ MHz}$ pF		Series Resistance R_s @ $F = 120 \text{ MHz}$ Ω	Minority Carrier Lifetime τ_l If = 10mA, $I_r = 6 \text{ mA}$	Package (1)	Part Number
Min.		Typ.	Max.	Max.			
		@ $V_r = 50V$		@ $I_F = 200mA$	Min (μs)		
500	High Power Switching	0.15	0.2	0.65	1.1	Die	EH80050-00
500	High Power Switching	0.3	0.4	0.55	1.5	Die	EH80051-00
500	High Power Switching	0.33	0.38	0.65	1.1	F27d	DH80050-01
500	MRI: High Power Switching	0.4	0.45	0.65	1.1	Melf. SMD4AM	DH80050-40N
500	High Power Switching	0.4	0.45	0.65	1.1	Melf. SMD4	DH80050-06N
500	High Power Switching		0.4	0.85	1.1	Melf. SMD4	DH80050-07N
500	High Power Switching	0.45	0.55	0.55	1.5	BH202N	DH80051-03
500	High Power Switching	0.55	0.65	0.55	1.5	BH35	DH80051-05
500	MRI: High Power Switching	0.55	0.65	0.55	1.5	Melf. SMD4AM	DH80051-40N
500	High Power Switching	0.55	0.65	0.55	1.5	Melf. SMD4	DH80051-06N
500	High Power Switching	0.6	0.7	0.3	2	Die	EH80052-00
500	High Power Switching	0.78	0.88	0.3	2	F27d	DH80052-01
500	High Power Switching	0.8	0.9	0.25	2.5	Die	EH80053-00
500	MRI: High Power Switching	0.85	1.05	0.35	2.1	Melf. SMD4AM	DH80052-40N
500	High Power Switching	0.85	1.05	0.35	2.1	Melf. SMD4	DH80052-06N
500	High Power Switching	0.98	1.08	0.25	2.5	F27d	DH80053-01
500	High Power Switching	1	1.1	0.25	2.5	BH301	DH80053-02
500	MRI: High Power Switching	1.05	1.2	0.3	2.5	Melf. SMD4AM	DH80053-40N
500	High Power Switching	1.05	1.2	0.3	2.5	Melf. SMD4	DH80053-06N
500	High Power Switching	1.2	1.3	0.22	3	Die	EH80055-00
500	MRI: High Power Switching	1.25	1.4	0.22	3	DFN-2L2, single diode	DH80055-94N
500	High Power Switching	1.25	1.35	0.27	3	Melf. SMD4	DH80054-06N
500	MRI: High Power Switching	1.25	1.35	0.27	3	Melf. SMD4AM	DH80054-40N
500	High Power Switching	1.35	1.45	0.25	3.5	BH202N	DH80055-03
500	High Power Switching	1.38	1.48	0.25	3.5	F27d	DH80055-01
500	MRI: High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD4AM	DH80055-40N
500	High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD6	DH80055-20N
500	High Power Switching	1.45	1.55	0.25	3.5	Melf. SMD4	DH80055-06N
800	High Power Switching	0.15	0.35	0.7	2	Die	EH80080-00
800	High Power Switching	0.3	0.5	0.7	2	BMH76	DH80080-01
800	High Power Switching	0.3	0.5	0.7	2	BH202N	DH80080-02
800	High Power Switching	0.33	0.53	0.7	2	F27d	DH80080-00
800	High Power Switching	0.8	0.9	0.3	3	Die	EH80083-00
800	MRI: High Power Switching	0.9	1.00	0.35	3	Melf. SMD4AM	DH80082-40N
800	High Power Switching	0.9	1.00	0.35	3	Melf. SMD4	DH80082-06N
800	High Power Switching	1.0	1.1	0.3	3	BH301	DH80083-02
800	High Power Switching	1.2	1.3	0.3	3	BH141	DH80083-05
800	High Power Switching	1.4	1.7	0.28	5	Die	EH80086-00
900	MRI: High Power Switching	1.25	2	0.3	7	BH158AM	DH80106-11N

(1): other package available on request. consult factory