



LIMITER PIN DIODES

Breakdown Voltage V _{br} @ I _r = 10 μA		Application	Capacitance @ F = 1 MHz pF			Serie Resistance R _s @ F = 120 MHz Ω	Minority Carrier Lifetime τ _i ns	Threshold @ F = 2.7 GHz, 1 dB Limiting dBm	Leakage power P _{out} @ F = 2.7GHz dBm	Peak Power with Pulse = 1 μs DC = 1% dBm	CW power Pin W	Package (1)	Part Number
Min.	Max.		@ V _r = 0V	@ V _r = 6V		If = 10 mA	If = 10 mA, I _r = 6 mA	Typ.	Typ.	Max.	Max.		
			Typ.	Min.	Max.	Max.	Typ.						
50	70	Limiter	0.4	0.29	0.35	1	40	15	26	54	3.5	M208b	DH60055-03
50	70	Limiter	0.45	0.23	0.4	0.9	50	15	27	57	4.0	Die	EH60056-00
50	70	Limiter	0.57	0.35	0.52	0.9	50	15	27	57	4.0	M208b	DH60056-01
50	70	Limiter	0.7	0.4	0.6	0.8	60	15	28	58	5.0	Die	EH60057-00
50	70	Limiter	0.82	0.52	0.72	0.8	60	15	28	58	5.0	M208b	DH60057-03
50	70	Limiter	0.85	0.55	0.75	0.8	60	15	28	58	5.0	BMH76	DH60057-02
70	90	Limiter	0.1	0.06	0.08	1.7	50	18	27	54	3.0	Die	EH60072-00
70	90	Limiter	0.2	0.12	0.17	1.4	60	18	30	55	4.0	Die	EH60074-00
70	90	Limiter	0.32	0.24	0.29	1.4	60	18	30	55	4.0	M208a	DH60074-01
70	90	Limiter	0.45	0.23	0.4	0.9	100	18	32	58	5.0	Die	EH60076-00
70	90	Limiter	0.57	0.35	0.52	0.9	100	18	32	58	5.0	M208a	DH60076-02
90	120	Limiter	0.1	0.06	0.08	1.7	150	20	31	56	3.5	Die	EH60102-00
90	120	Limiter	0.2	0.12	0.17	1.2	250	20	33	59	5.0	Die	EH60104-00
90	120	Limiter	0.32	0.24	0.29	1.2	250	20	33	59	5.0	M208b	DH60104-01
90	120	Limiter	0.45	0.23	0.4	0.8	400	20	35	61	7.0	Die	EH60106-00
90	120	Limiter	0.57	0.35	0.52	0.8	400	20	35	61	7.0	M208b	DH60106-03
90	120	Limiter	0.63	0.41	0.58	0.8	400	20	35	61	7.0	F27d	DH60106-01

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

FREQUENCY MULTIPLIER PIN DIODES

Breakdown Voltage V _{br} @ I _r = 10 μ A V		Application	Capacitance F = 1MHz, V _r = 6V pF		Minority carrier Lifetime τ ns If = 10mA, I _r = 6 mA	Snap-Off Time t _{so} ps If = 10 mA, V _r = 10V	Output Frequency F _{out} GHz	Package (1)	Part Number
Min.	Max.		Min.	Max.					
15	25	High Multiplication order	0.2	0.3	6	60	10 - 25	Die	EH267-00
15	25	High Multiplication order	0.32	0.42	6	60	10 - 25	M208b	DH267-41
20	35	High Multiplication order	0.2	0.5	10	75	8 - 16	Die	EH292 - 00
20	35	High Multiplication order	0.32	0.62	10	75	8 - 16	M208b	DH292-105
20	35	High Multiplication order	0.38	0.68	10	75	8 - 16	F27d	DH292-00
30	45	High Multiplication order	0.5	1.1	20	120	5 - 12	Die	EH256 - 00
30	45	High Multiplication order	0.62	1.22	20	120	5 - 12	M208b	DH256-57
30	45	High Multiplication order	0.68	1.3	20	120	5 - 12	F27d	DH256-00
40	60	High Multiplication order	0.9	2.0	35	200	2 - 8	Die	EH252-00
40	60	High Multiplication order	1.05	2.15	35	200	2 - 8	M208b	DH252-01
40	60	High Multiplication order	1.2	2.2	35	200	2 - 8	F27d	DH252-00
45	70	High Multiplication order	4.0	7.0	125	400	0.2 - 2	Die	EH294-00
45	70	High Multiplication order	4.15	7.15	125	400	0.2 - 2	M208a	DH294-28
45	70	High Multiplication order	4.2	7.2	125	400	0.2 - 2	BH142a	DH294-27

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