

Diodes (Composite Elements), Hall Elements

■ Composite Elements

Type No.	V_R (V)	I_F (mA)	V_F max. (V)	C_D		t_{rr} typ. (ns)	I_F (mA)	Basic Type No.	Package	
				typ. (pF)	V_R (V)					No.
△MA999	30/40	30/100	1.0	30	1.5	1.0	10	MA704A MA151K	Mini Type (4 pins)	D11(b)

△Preliminary

Type No.	P _{tot} (mW)	P _{ZSM} (W)	I _R (μ A)	V _Z		Basic Type No.	Package		
				V _R (V)	min. (V)		max. (V)	No.	
△MA997	200	15	0.5	2.5	5.98	6.62	MA151K MA8056	Mini Type (3 pins)	D10
△MA950	150	—	0.1 0.05 1	5 34 216	7.29 40.0 270.0	7.67 46.0 290	MA8075-M MA8430 MA5Z270	Mini Type (6 pins)	D13

△Preliminary

■ GaAs Hall Elements

Sensitivity	Type No.	Control Voltage V _C max. (V)	Operating Temperature Range T _{opr} (°C)	No-load Hall Voltage			Unbalanced Rate V _{HC} /V _H max. (%)	Unbalanced Voltage V _{HC} max. (mV)	Input Resistance R _{IN} typ. (k Ω)	I _C (mA)	Hall Voltage Temperature Coefficient β max.typ * (%/°C)	Package	
				V _H (typ) (mV)	V _C (V)	B (G)						No.	
Low sensitivity	OH008	12	−30 ~ +125	105	6	1k	—	±19	0.75	1	−0.06	Mini Thin Type (with mound)	D23
	OH009											Mini (4 pins)	D11(a)
	OH010											Mini (4 pins with mound)	D22
Medium sensitivity	OH003	12	−30 ~ +125	150	6	1k	±12	—	0.85	1	−0.06	Mini (4 pins)	D11(a)
	OH004											Mini (4 pins with mound)	D22
High sensitivity	OH017	6	−10 ~ +125	90	3	1k	—	±9.5	2	0.1	−0.06	Mini Thin Type	D20
	OH023								2			Mini (4 pins)	D11(a)

△Preliminary

■ InSb Hall Elements

Sensitivity	Type No.	Control Voltage V _C max. (V)	Operating Temperature Range T _{opr} (°C)	No-load Hall Voltage			Unbalanced Rate V _{HC} /V _H max. (%)	Unbalanced Voltage V _{HC} max. (mV)	Input Resistance		Hall Voltage Temperature Coefficient β max. typ. * (%/°C)	Package	No.
				V _{H(typ)} (mV)	V _C (V)	B (G)			R _{IN} typ. (k Ω)	I _C (mA)			
Low sensitivity	OH029	—	−30 ~ +110	45	1	500	±7	±7	260 Ω	0.1	—	Mini (4 pins)	D11(a)(b)
	OH00030	—	−30 ~ +110	45	1	500	±7	±7	260 Ω	0.1	—	Mini (4 pins with mound)	D22
	OH00031	—	−30 ~ +110	45	1	500	±7	±7	260 Ω	0.1	—	S Mini (4 pins)	D6
High sensitivity	OH00033	2	−20 ~ +115	250	1	0.05T	±7	±7	0.3	0.1	−2	Mini (4 pins)	D11(a)(b)