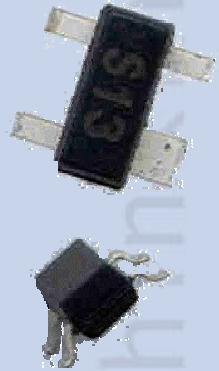




Cross Reference Linear Analog Hall Elements



Vendor	Part No	Type	Package	Size (mm)			Nominal supply (mA)	Hall voltage @0.1T (mV)	Sensitivity (V/AT)	Offset @ 0T (mV) (mT)		Output linearity range (% f.s.) (mT)	max. Temp (°C)	
Infineon	KSY 13	GaAs	SOT143	2,9	1,4	1,1	5	120	200	20	17	< 0,2%	0..500	150
	KSY 13-2		SOT143*							30	25			
	KS113		SOT143											
Asahi	HW101A	InSb	SMT	2,9	1,6		2,5	255	1020	7	3	30,0%	0..200	110
	HW105C						2,5	58	230	7	12			
	HZ302H	InAs	wired	3	2,7		10	60	60	10	17	2,0%	0..300	150
	HZ106/302C								7,5	50	67			8
	HG106C	GaAs	SMT	1,5	1,5		8	130	163	11	8	> 1,0%		
Sharp	LT120A/SA	GaAs	SOT143	2,9	1,5	1,1	7,5	160	213	19	12	0,3%	50..100	125
	LT120A/SA													
	LT135A				15	6		2,0%						
	LT140A/SA				19	12								
	LT140A/SA	SMT	1,5	1,5	0,6	160	213	8	5	0,3%				
Toshiba	THS117	GaAs	SMT				5	100	182	10	10	2,0%	50..100	100..500
	THS118			1,7	1,5	0,6								50..100
	THS119		wired	4	2,3	1,2								100..500
	THS128						1	150	600	15	10	2,0%	50..100	125
	THS129			1,7	1,5	0,6								
	THS130		SMT	4	2,3	1,2								
	THS121						5	135	257	13,5	10	2,0%	50..100	125
	THS122			1,7	1,5	0,6								
	THS123		wired	4	2,3	1,2								
	THS124						1	150	375	15	10	2,0%	50..100	125
	THS125		SMT	1,7	1,5	0,6								
	THS126		wired	4	2,3	1,2								

typical values where ranges were given
 competitor values according to datasheets and calculations
 SOT143 is a SMT package with a SOT23 body and 4 bent leads
 SOT143* is a variant of SOT143 with straight leads