

Trigger Devices

Device	Application	Electrical characteristics	Package type
BTD4M	Trigger diode	$V_{BO} = 29$ to 37 V	DHD (DO-41S)

Sensors

Hall sensors

Device	Characteristics	I_C max (mA)	V_C max (V)	P_D (mW)	V_H (mV)	R_{H0} (Ω)	Package type
SHS110	InSb linear	12	—	200	21 to 55 (1 V/1 kG)	500 to 1500	DP4
SHS210	InSb linear	10	—	150	21 to 55 (1 V/1 kG)	500 to 1500	CP4
SHS211	InSb linear	20	—	150	50 to 85 (1 V/1 kG)	240 to 700	CP4
SHS220	InSb high-output	20	—	150	120 to 275 (1 V/500 G)	240 to 700	CP4
SHS230	InSb high-output (with resistor)	—	2.5	—	25 to 85 (1 V/500 G)	600 to 2000	CP4
SHS260	GaAs linear	10	—	150	60 to 105 (5 mA/1 kG)	450 to 900	CP4
SHS263	GaAs linear	10	—	150	60 to 170 (5 mA/1 kG)	450 to 900	CP4
SHS264	GaAs linear	10	—	150	60 to 105 (5 mA/1 kG)	450 to 900	CP4
SHS311	InSb linear	20	—	150	50 to 90 (1 V/1 kG)	240 to 700	SIP4
SHS320	InSb high-output	20	—	150	120 to 275 (1 V/500 G)	240 to 540	SIP4
SHS330	InSb high-output (with resistor)	—	2.5	—	25 to 85 (1 V/500 G)	600 to 2000	SIP4
SHS331	InSb high-output (with resistor)	—	4.5	—	13 to 43 (1 V/500 G)	1100 to 3700	SIP4
SHS361	GaAs linear	—	12.0	150	150 to 200 (6 V/1 kG)	350 to 800	SIP4

Magnetoresistance sensors

Device	V_a max (V)	P max (mW)	V_{out} (mV _{rms})	R (Ω)	Width (mm)	Features
MS-D	5.5	50	0.4 to 1.1	600 to 4500	3	
MS-E	5.5	50	0.4 to 1.1	600 to 4500	6	
MS-F-06	5.5	44	0.16 to 0.42	700 to 4500	3	High S/N ratio
MS-F-11	5.5	44	0.16 to 0.42	700 to 4500	3	
MS-G-06	5.5	50	0.4 to 1.1	600 to 4500	3	High-output
MS-H-06	5.5	50	0.3 to 0.9	600 to 4500	6	High-output, wide detect width
MS-I-09	5.5	50	0.46 to 1.1	600 to 4500	3	High wear resistance

Strong magnetic field, thin-film magnetoresistance elements

Device	Package	V_a max (V)	R_t @ I		V_c @ V_a		V_o @ $V_a \cdot B$		
			R_t (k Ω)	I (mA)	V_c (V)	V_a (V)	V_o (mV)	V_a (V)	B (G)
SKS100	SPA	10	1.2 to 3.5	1	2.45 to 2.55	5	60 to 120	5	100
SKS132	SPA	10	800 to 1400	0.001	2.39 to 2.61	5	75 to 125	5	200

LED Lamps

φ2, φ3, φ4 and φ5, lead frame LEDs

Device	Drawing number	Peak wavelength		Absolute maximum ratings				Electro-optical characteristics				
		nm/color	Lens appearance	If (mA)	VR (V)	PD (mW)	Topr (°C)	Typical VF @ If		Typical luminous intensity @ If		Maximum IR (μA)*
								VF (V)	IF (mA)	Intensity (mcd)	IF (mA)	
φ2												
SLP-190B-51	P-1	700/R	Diffused color	25	3	70	−25 to 80	1.9	5	0.7	5	10
SLP-290B-51	P-1	565/G	Diffused color	25	3	70	−25 to 80	2.1	20	3.0	20	10
SLP-490B-51	P-1	585/Y	Diffused color	25	3	70	−25 to 80	2.1	20	6.5	20	10
φ3												
SLP-135B-51	P-2	700/R	Diffused color	25	3	70	−25 to 80	1.9	5	1.5	5	10
SLP-235B-51	P-2	565/G	Diffused color	25	3	70	−25 to 80	2.1	20	4	20	10
SLP-435B-51	P-2	585/Y	Diffused color	25	3	70	−25 to 80	2.1	20	4	20	10
SLP-181B-51	P-3	700/R	Diffused color	25	3	70	−25 to 80	1.9	5	1	5	10
SLP-281B-51	P-3	565/G	Diffused color	25	3	70	−25 to 80	2.1	20	8	20	10
SLP-481B-51	P-3	585/Y	Diffused color	25	3	70	−25 to 80	2.1	20	10	20	10