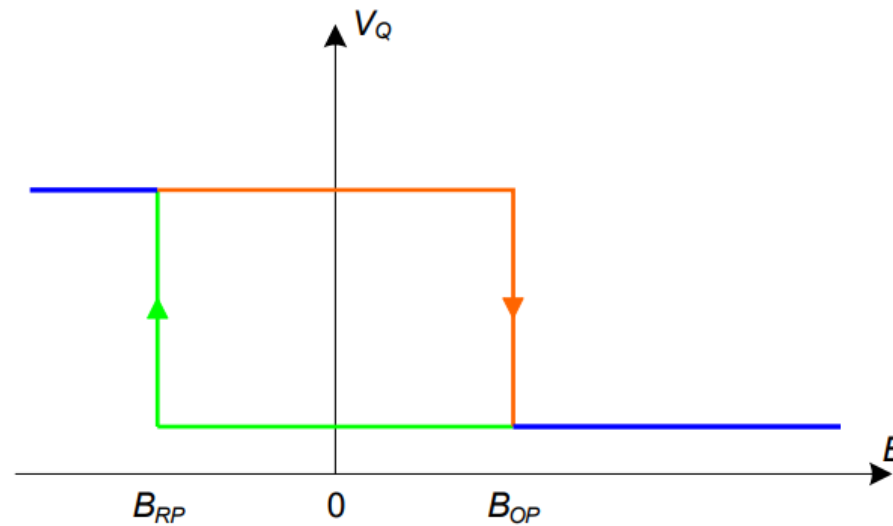




Hall-IC Selection Guide

Latch Type



Output signal

Hall-IC (Automotive)

Product	Type	Supply voltage [V]	Temperature [°C]	Supply current [mA]	Bop [mT]	Brp [mT]	Bhyst [mT]	Jitter [μs]	Package
TLE4935L	Latch	3.8 ~ 24	-40 ~ 150	-/4/8	15	-15	30	-	PG-SSO-3
TLE4945L	Latch	3.8 ~ 24	-40 ~ 150	-/4/8	2	-2	4	-	PG-SSO-3
TLE4945-2L	Latch	3.8 ~ 24	-40 ~ 150	-/4/8	1.5	-1.5	3	-	PG-SSO-3
TLE4946-1L	Latch	2.7 ~ 18	-40 ~ 150	2/ 4 / 6	15	-15	30	1	PG-SSO-3
TLE4946-2K	Latch	2.7 ~ 18	-40 ~ 150	2/ 4 / 6	2	-2	4	1	PG-SC59-3
TLE4946-2L	Latch	2.7 ~ 18	-40 ~ 150	2/ 4 / 6	2	-2	4	1	PG-SSO-3
TLE4946K	Latch	2.7 ~ 18	-40 ~ 150	2/ 4 / 6	14	-14	28	1	PG-SC59-3
TLE4961-1K	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	2	-2	4	0.35	PG-SC59-3
TLE4961-1L	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	2	-2	4	0.35	PG-SSO-3
TLE4961-1M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	2	-2	4	0.35	PG-SOT23-3
TLE4961-2M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	5	-5	10	0.35	PG-SOT23-3
TLE4961-3K	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	7.5	-7.5	15	0.35	PG-SC59-3
TLE4961-3L	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	7.5	-7.5	15	0.35	PG-SSO-3
TLE4961-3M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	7.5	-7.5	15	0.35	PG-SOT23-3
TLE4961-4M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	10	-10	20	0.35	PG-SOT23-3
TLE4961-5K	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	15	-15	30	0.35	PG-SC59-3
TLE4961-5M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	15	-15	30	0.35	PG-SOT23-3
TLE4963-1M	Latch	3.0 ~ 5.5	-40 ~ 170	1.1 / 1.5 / 2.5	2	-2	4	0.28	PG-SOT23-3
TLE4963-2M	Latch	3.0 ~ 5.5	-40 ~ 170	1.1 / 1.5 / 2.5	5	-5	10	0.28	PG-SOT23-3
TLE4966-2G	Latch	2.7 ~ 18	-40 ~ 150	4 / 5.2 / 7	7.5	-7.5	15	1	PG-TSOP6-6
TLE4966-3G	Latch	2.7 ~ 18	-40 ~ 150	4 / 5.2 / 7	2.5	-2.5	5	1	PG-TSOP6-6
TLE4966G	Latch	2.7 ~ 18	-40 ~ 150	4 / 5.2 / 7	7.5	-7.5	15	1	PG-TSOP6-6
TLE4966L	Latch	2.7 ~ 18	-40 ~ 150	4 / 5.2 / 7	7.5	-7.5	15	1	PG-SSO-4
TLE4966V-1G	Latch	3.5 ~ 32	-40 ~ 150	3.9 / 5.8 / 7.5	2.5	-2.5	5	0.3	PG-TSOP6-6
TLE4968-1K	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	1	-1	2	0.35	PG-SC59-3
TLE4968-1L	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	1	-1	2	0.35	PG-SSO-3
TLE4968-1M	Latch	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	1	-1	2	0.35	PG-SOT23-3

Hall-IC (Industrial)

Product	Type	Supply voltage [V]	Temperature [°C]	Supply current [mA]	Bop [mT]	Brp [mT]	Bhyst [mT]	Jitter [μs]	Package
TLI4946-2K	Latch	2.7 ~ 18	-40 ~ 125	2 / 4 / 6	2	-2	4	1	PG-SC59-3
TLI4946-2L	Latch	2.7 ~ 18	-40 ~ 125	2 / 4 / 6	2	-2	4	1	PG-SSO-3
TLI4946K	Latch	2.7 ~ 18	-40 ~ 125	2 / 4 / 6	14	-14	28	1	PG-SC59-3
TLI4961-1M	Latch	3.0 ~ 32	-40 ~ 125	1.1 / 1.6 / 2.5	2	-2	4	0.35	PG-SOT23-3
TLI4963-1M	Latch	3.0 ~ 5.5	-40 ~ 125	1.1 / 1.5 / 2.5	2	-2	4	0.28	PG-SOT23-3
TLI4963-2M	Latch	3.0 ~ 5.5	-40 ~ 125	1.1 / 1.5 / 2.5	5	-5	10	0.28	PG-SOT23-3
TLI4966G	Latch	2.7 ~ 18	-40 ~ 115	4 / 5.2 / 7	7.5	-7.5	15	1	PG-TSOP6-6
TLV4946-2K	Latch	2.7 ~ 18	-40 ~ 85	2 / 4 / 6	2	-2	4	1	PG-SC59-3
TLV4946-2L	Latch	2.7 ~ 18	-40 ~ 85	2 / 4 / 6	2	-2	4	1	PG-SSO-3
TLV4946K	Latch	2.7 ~ 18	-40 ~ 85	2 / 4 / 6	14	-14	28	1	PG-SC59-3
TLV4961-1M	Latch	3.0 ~ 32	-40 ~ 85	1.1 / 1.6 / 2.5	2	-2	4	0.35	PG-SOT23-3
TLV4961-1TA	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	2	-2	4	-	PG-TO92S-3-1
TLV4961-1TB	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	2	-2	4	-	PG-TO92S-3-2
TLV4961-3M	Latch	3.0 ~ 32	-40 ~ 85	1.1 / 1.6 / 2.5	7.5	-7.5	15	0.35	PG-SOT23-3
TLV4961-3TA	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	7.5	-7.5	15	-	PG-TO92S-3-1
TLV4961-3TB	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	7.5	-7.5	15	-	PG-TO92S-3-2
TLV4968-1TA	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	1	-1	2	-	PG-TO92S-3-1
TLV4968-1TB	Latch	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	1	-1	2	-	PG-TO92S-3-2



PG-SC59-3



PG-SOT23-3



PG-TSOP6-6



PG-SSO-3



PG-SSO-4

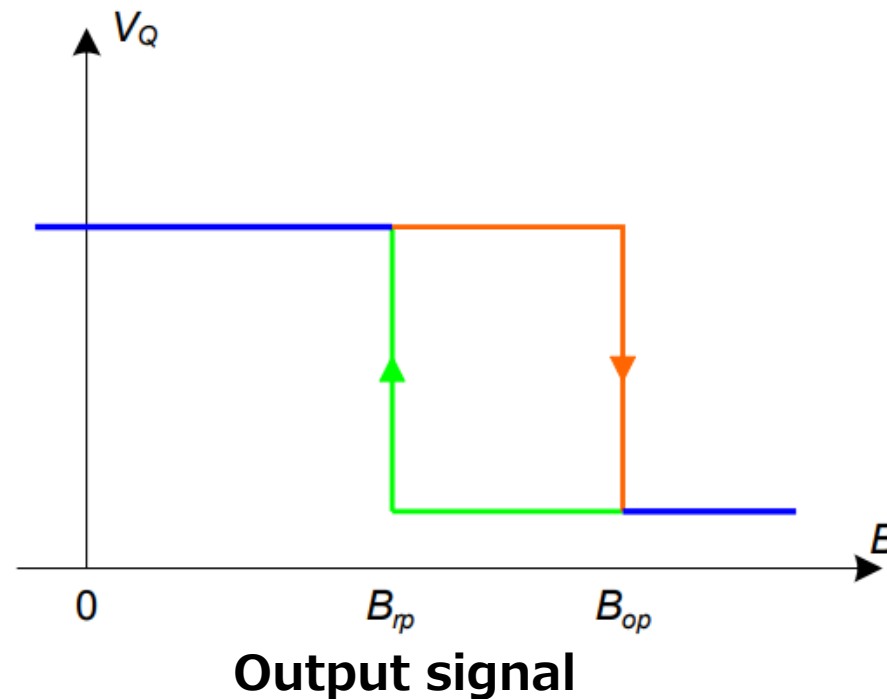


PG-TO92S-3-1



PG-TO92S-3-2

Unipolar Type



Hall-IC (Automotive)

Product	Type	Supply voltage [V]	Temperature [°C]	Supply current [mA]	Bop [mT]	Brp [mT]	Bhyst [mT]	Jitter [μs]	Package
TLE4905L	Unipolar	3.8 ~ 24	-40 ~ 150	- / 3 / 8	12.5	10.5	2	-	PG-SSO-3
TLE4906-2K	Unipolar	2.7 ~ 18	-40 ~ 150	2 / 4 / 6	18	12.5	5.5	1	PG-SC59-3
TLE4906-3K	Unipolar	2.7 ~ 18	-40 ~ 150	2 / 4 / 6	28	22.5	5.5	1	PG-SC59-3
TLE4906K	Unipolar	2.7 ~ 18	-40 ~ 150	2 / 4 / 6	10	8.5	1.5	1	PG-SC59-3
TLE4906L	Unipolar	2.7 ~ 18	-40 ~ 150	2 / 4 / 6	10	8.5	1.5	1	PG-SSO-3
TLE4964-1K	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	18	12.5	5.5	0.35	PG-SC59-3
TLE4964-1M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	18	12.5	5.5	0.35	PG-SOT23-3
TLE4964-2K	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	28	22.5	5.5	0.35	PG-SC59-3
TLE4964-2M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	28	22.5	5.5	0.35	PG-SOT23-3
TLE4964-3K	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	12.5	9.5	3	0.35	PG-SC59-3
TLE4964-3M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	12.5	9.5	3	0.35	PG-SOT23-3
TLE4964-4M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	10	8.5	1.5	0.35	PG-SOT23-3
TLE4964-5M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	7.5	5	2.5	0.35	PG-SOT23-3
TLE4964-6M	Unipolar	3.0 ~ 32	-40 ~ 170	1.1 / 1.6 / 2.5	3.5	2.5	1	0.35	PG-SOT23-3
TLE4965-5M	Unipolar	3.0 ~ 5.5	-40 ~ 170	1.1 / 1.5 / 2.5	7.5	5	2.5	0.28	PG-SOT23-3
TLE4976-1K	Unipolar	3.0 ~ 18	-40 ~ 150	5 / 6 / 7 (Low) 12 / 14 / 17 (High)	9.25	7.25	2	1	PG-SC59-3
TLE4976-2K	Unipolar	3.0 ~ 18	-40 ~ 150	5 / 6 / 7 (Low) 12 / 14 / 17 (High)	4.5	2.7	1.8	1	PG-SC59-3
TLE4976L	Unipolar	3.0 ~ 18	-40 ~ 150	5 / 6 / 7 (Low) 12 / 14 / 17 (High)	6	4	2	1	PG-SSO-3

Hall-IC (Industrial)

Product	Type	Supply voltage [V]	Temperature [°C]	Supply current [mA]	Bop [mT]	Brp [mT]	Bhyst [mT]	Jitter [μs]	Package
TLI4906K	Unipolar	2.7 ~ 18	-40 ~ 125	2/ 4 / 6	10	8.5	1.5		1 PG-SC59-3
TLI4906L	Unipolar	2.7 ~ 18	-40 ~ 125	2/ 4 / 6	10	8.5	1.5		1 PG-SSO-3
TLI4965-5M	Unipolar	3.0 ~ 5.5	-40 ~ 125	1.1 / 1.5 / 2.5	7.5	5	2.5	0.28	PG-SOT23-3
TLV4906K	Unipolar	2.7 ~ 18	-40 ~ 85	2/ 4 / 6	10	8.5	1.5		1 PG-SC59-3
TLV4906L	Unipolar	2.7 ~ 18	-40 ~ 85	2/ 4 / 6	10	8.5	1.5		1 PG-SSO-3
TLV4964-1M	Unipolar	3.0 ~ 32	-40 ~ 85	1.1 / 1.6 / 2.5	18	12.5	5.5	0.35	PG-SOT23-3
TLV4964-2M	Unipolar	3.0 ~ 32	-40 ~ 85	1.1 / 1.6 / 2.5	28	22.5	5.5	0.35	PG-SOT23-3
TLV4964-4TA	Unipolar	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	10	8.5	1.5		-PG-TO92S-3-1
TLV4964-4TB	Unipolar	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	10	8.5	1.5		-PG-TO92S-3-2
TLV4964-5TA	Unipolar	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	7.5	5	2.5		-PG-TO92S-3-1
TLV4964-5TB	Unipolar	3.0 ~ 26	-40 ~ 125	1.1 / 1.6 / 2.5	7.5	5	2.5		-PG-TO92S-3-2
TLV4976-1K	Unipolar	3.0 ~ 18	-40 ~ 85	5 / 6 / 7 (Low) 12 / 14 / 17 (High)	9.25	7.25	2		1 PG-SC59-3
TLV4976-2K	Unipolar	3.0 ~ 18	-40 ~ 85	5 / 6 / 7 (Low) 12 / 14 / 17 (High)	4.5	2.7	1.8		1 PG-SC59-3



PG-SC59-3



PG-SOT23-3



PG-TSOP6-6



PG-SSO-3



PG-SSO-4

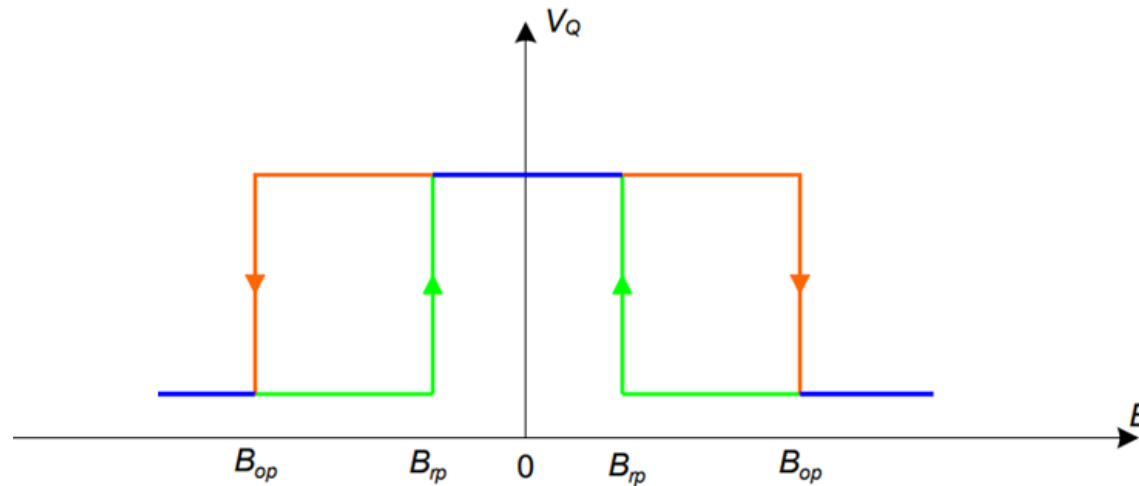


PG-TO92S-3-1



PG-TO92S-3-2

Omnipolar Type



Output signal

Hall-IC (Automotive)

Product	Type	Supply voltage [V]	Temperature [°C]	Supply current [mA]	Bop [mT]	Brp [mT]	Bhyst [mT]	Jitter [μs]	Package
TLE4913	Omnipolar	2.7 ~ 5.5	-40 ~ 85	0.001 / 0.004 / 0.02	3.5	2.7	0.8		-PG-SC59-3



PG-SC59-3