

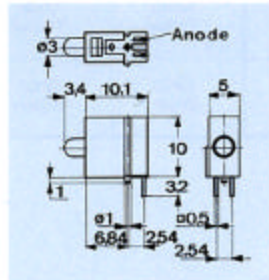
# Ø 3 mm Single-LED's



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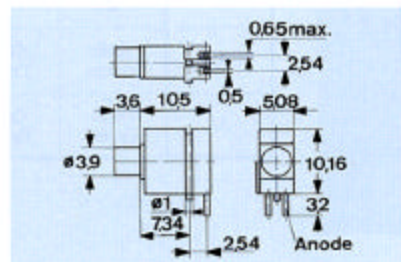
Technical Data	
Housing Material	PC
Ambient Temperature	-40°C ... +85°C
Soldering Temperature	260°C ≤ 5 sec.

### With Built-In Series Resistor



Voltage (V typ)	Current (mA typ)	Type #	LED● Type	Color	Part #
No Series Resistor		-	A2	Super Red	90-1808-1031
		-	A1	Red	90-1808-2031
		-	A3	Yellow	90-1808-7031
		-	A4	Green	90-1808-8031
		-	A51	Blue	90-1808-6031
5-7	9-15	5	A2	Super Red	90-1808-1131
12-16	9-13	12	A2		90-1808-1231
24-30	9-12	24	A2		90-1808-1331
5-7	10-16	5	A1	Red	90-1808-2131
12-16	9-13	12	A1		90-1808-2231
24-30	9-12	24	A1		90-1808-2331
5-7	8-14	5	A3	Yellow	90-1808-7131
12-16	9-12	12	A3		90-1808-7231
24-30	9-12	24	A3		90-1808-7331
5-7	7-13	5	A4	Green	90-1808-8131
12-16	8-12	12	A4		90-1808-8231
24-30	9-11	24	A4		90-1808-8331

- ESD-protected 15 kV DIN IEC 801-2



LED-Type●	Color	Part #
A2	Super Red	90-1808-1035
A1	Red	90-1808-2035
A3	Yellow	90-1808-7035
A4	Green	90-1808-8035