


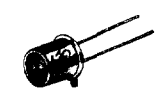


IR-Lumineszenzdiode

Infrared Emitters

| Gehäuse/Package | Type | φ deg. | I_e mW/sr | | Bestellnummer Ordering code | Fig. |
|--|--|-------------------|---|--|--|------|
| 3.2 im Metall-Gehäuse ($\lambda_{\text{peak}} = 880 \text{ nm}$) $V_F = 1,5 \text{ V}$ ($I_F = 100 \text{ mA}$) | | | 3.2 in metal package ($\lambda_{\text{peak}} = 880 \text{ nm}$) $V_F = 1.5 \text{ V}$ ($I_F = 100 \text{ mA}$) | | | |
|  | SFH 480 SFH 480-2 SFH 480-3 | ± 6 | ≥ 40 40 ... 80 ≥ 63 | at $I_F = 100 \text{ mA}$ $t_p = 20 \text{ ms}$ | Q62703-Q1087 Q62703-Q1662 Q62703-Q1663 | 24 |
|  | SFH 481 SFH 481-1 SFH 481-2 SFH 481-3 | ± 15 | 10 ... 50 10 ... 20 16 ... 32 25 ... 50 | | Q62703-Q1088 Q62703-Q1664 Q62703-Q1665 Q62703-Q1666 | 64 |
|  | SFH 483 E 7800 • | ± 23 | 1 ... 3.2 | | Q62703-Q1090 | 17 |
| | SFH 483-L E 7800 • | | 1 ... 2 | | Q62703-Q2162 | |
| | SFH 483-M E 7800 • | | 1.6 ... 3.2 | Q62703-Q2163 | | |
|  | SFH 482 SFH 482-1 SFH 482-2 SFH 482-3 | ± 30 | 3.15 ... 10 3.15 ... 6.3 5 ... 10 ≥ 8 | Q62703-Q1089 Q62703-Q1667 Q62703-Q1668 Q62703-Q1669 | 25 | |
| | SFH 482-L E 7800 ○ | ± 30 | 1 ... 2 | Q62703-Q2185 | | |
| | SFH 482-M E 7800 ○ | | 1.6 ... 3.2 | Q62703-Q2186 | | |

○ Lochblendenmessung s. S. 22

○ Aperture measurement p. 22

● Ist ausschließlich als lochblendenvermessendes Bauteil lieferbar, s. S. 22



● Component cannot be delivered other than subjected to aperture measurement, p. 22

3.3 im SMT-Gehäuse ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1,5 \text{ V}$ ($I_F = 100 \text{ mA}$)

3.3 in SMT package ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1.5 \text{ V}$ ($I_F = 100 \text{ mA}$)


| | | | | | | |
|---|----------------------|----------|--------------------|--|------------------------------|----|
|  | SFH 421 SFH 421-P | ± 60 | > 3.2 4 ... 8 | at $I_F = 100 \text{ mA}$ $t_p = 20 \text{ ms}$ | Q62703-P1055 Q62703-Q2407 | 23 |
|  | SFH 426 | ± 60 | 4 ... 8 | | Q62703-P331 | 30 |

3.4 Hyperrote Sendediode für Lichtschrankenapplikation ($\lambda_{\text{peak}} = 660 \text{ nm}$)

$V_F = 2,1 \text{ V}$ ($I_F = 100 \text{ mA}$), $t_r/t_f = 50 \text{ ns}$

3.4 Hyperred emitter for light-barrier application ($\lambda_{\text{peak}} = 660 \text{ nm}$)

$V_F = 2.1 \text{ V}$ ($I_F = 100 \text{ mA}$), $t_r/t_f = 50 \text{ ns}$

| | | | | | | |
|---|--|----------|--|---|---|----|
|  | SFH 462 E 7800 • SFH 462-K E 7800 • SFH 462-L E 7800 • | ± 23 | 0.63 ... 2 0.63 ... 1.25 1 ... 2 | at $I_F = 50 \text{ mA}$ $t_p = 20 \text{ ms}$ | Q62702-P1182 Q62702-P332 Q62702-P1116 | 17 |
|---|--|----------|--|---|---|----|

4. Schnelle GaAlAs IRED NEU

(Schaltzeit: 30 ns)

4. High-Speed GaAlAs IR Emitters NEW



(switching time: 30 ns)

4.1 im SMT-Gehäuse ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1,5 \text{ V}$ ($I_F = 100 \text{ mA}$)

4.1 in SMT package ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1.5 \text{ V}$ ($I_F = 100 \text{ mA}$)

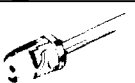
| | | | | | | |
|---|---------|----------|-------------------|---|--------------|----|
|  | SFH 423 | ± 60 | ≥ 4 (typ. 6) | - | Q62702-P2256 | 29 |
|  | SFH 427 | | | | Q62702-P2257 | 30 |

4.2 im 5-mm LED-Gehäuse ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1,5 \text{ V}$ ($I_F = 100 \text{ mA}$)

4.2 in 5-mm LED Package ($\lambda_{\text{peak}} = 880 \text{ nm}$)

$V_F = 1.5 \text{ V}$ ($I_F = 100 \text{ mA}$)

| | | | | | | |
|---|---------|---------|---------------------|--|--------------|----|
|  | SFH 477 | ± 8 | ≥ 40 (typ. 90) | at $I_F = 100 \text{ mA}$ $t_p = 20 \text{ ms}$ | Q62702-P2258 | 65 |
|---|---------|---------|---------------------|--|--------------|----|