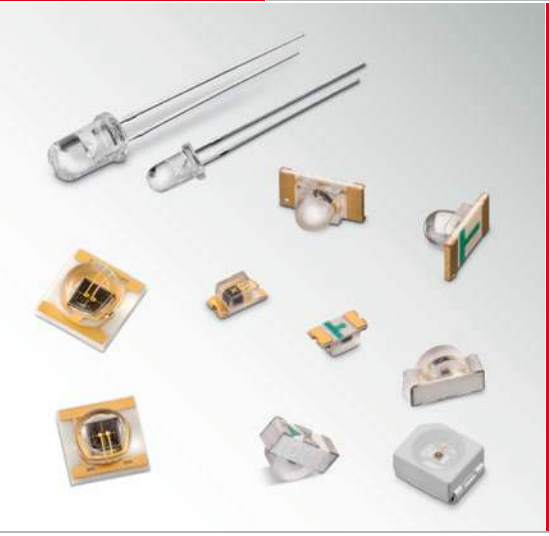
WÜRTH ELEKTRONIK

DESIGN KIT
Infrared LEDs



SIZE:

3 mm / 5 mm / 0603 / 1206 / 1104 / 3528 / 3535

TECHNICAL DATA:

THT Infrared
Infrared Chip LED
Infrared Top LED
Infrared Ceramic

Order Code 154 150
Version 1.0

DESIGN KIT
Infrared LEDs

3 mm

154 003 85A 3590

λ_{peak} @ 50 mA:	850 nm
I_e typ. @ 50 mA:	60 mW/sr
V_F typ. @ 50 mA:	1.5 V
$2\Theta_{50\%}$ typ.@ 50 mA:	35 °

154 003 94A 3590

λ_{peak} @ 50 mA:	940 nm
I_e typ. @ 50 mA:	30 mW/sr
V_F typ. @ 50 mA:	1.3 V
$2\Theta_{50\%}$ typ.@ 50 mA:	35 °

5 mm

154 005 85A 3590

λ_{peak} @ 50 mA:	850 nm
I_e typ. @ 50 mA:	85 mW/sr
V_F typ. @ 50 mA:	1.5 V
$2\Theta_{50\%}$ typ.@ 50 mA:	35 °

154 005 94A 3590

λ_{peak} @ 50 mA:	940 nm
I_e typ. @ 50 mA:	30 mW/sr
V_F typ. @ 50 mA:	1.3 V
$2\Theta_{50\%}$ typ.@ 50 mA:	35 °

0603

154 060 85B A300

λ_{peak} @ 20 mA:	850 nm
I_e typ. @ 20 mA:	2 mW/sr
V_F typ. @ 20 mA:	1.4 V
$2\Theta_{50\%}$ typ.@ 20 mA:	130 °

154 060 94B A500

λ_{peak} @ 20 mA:	940 nm
I_e typ. @ 20 mA:	0.8 mW/sr
V_F typ. @ 20 mA:	1.2 V
$2\Theta_{50\%}$ typ.@ 20 mA:	150 °

1206 dome

154 120 85A 3060

λ_{peak} @ 20 mA:	850 nm
I_e typ. @ 20 mA:	20 mW/sr
V_F typ. @ 20 mA:	1.4 V
$2\Theta_{50\%}$ typ.@ 20 mA:	30 °

154 120 94A 3060

λ_{peak} @ 20 mA:	940 nm
I_e typ. @ 20 mA:	5 mW/sr
V_F typ. @ 20 mA:	1.2 V
$2\Theta_{50\%}$ typ.@ 20 mA:	30 °

1104

154 114 85A A370

λ_{peak} @ 20 mA:	850 nm
I_e typ. @ 20 mA:	2 mW/sr
V_F typ. @ 20 mA:	1.4 V
$2\Theta_{50\%}$ typ.@ 20 mA:	130 °

154 114 94A A570

λ_{peak} @ 20 mA:	940 nm
I_e typ. @ 20 mA:	1 mW/sr
V_F typ. @ 20 mA:	1.2 V
$2\Theta_{50\%}$ typ.@ 20 mA:	150 °

3528

154 141 85B A210

λ_{peak} @ 50 mA:	850 nm
I_e typ. @ 50 mA:	9 mW/sr
V_F typ. @ 50 mA:	1.5 V
$2\Theta_{50\%}$ typ.@ 50 mA:	120 °

154 141 94B A210

λ_{peak} @ 50 mA:	940 nm
I_e typ. @ 50 mA:	8 mW/sr
V_F typ. @ 50 mA:	1.4 V
$2\Theta_{50\%}$ typ.@ 50 mA:	120 °

3535

154 353 85A 9050

λ_{peak} @ 1000 mA:	850 nm
I_e typ. @ 1000 mA:	350 mW/sr
V_F typ. @ 1000 mA:	2.2 V
$2\Theta_{50\%}$ typ.@ 1000 mA:	90 °

154 353 94A 9050

λ_{peak} @ 1000 mA:	940 nm
I_e typ. @ 1000 mA:	300 mW/sr
V_F typ. @ 1000 mA:	1.9 V
$2\Theta_{50\%}$ typ.@ 1000 mA:	90 °

154 353 85A A350

λ_{peak} @ 1000 mA:	850 nm
I_e typ. @ 1000 mA:	250 mW/sr
V_F typ. @ 1000 mA:	2.2 V
$2\Theta_{50\%}$ typ.@ 1000 mA:	130 °

154 353 94A A350

λ_{peak} @ 1000 mA:	940 nm
I_e typ. @ 1000 mA:	220 mW/sr
V_F typ. @ 1000 mA:	1.9 V
$2\Theta_{50\%}$ typ.@ 1000 mA:	130 °

Important information: Würth Elektronik's design kits contain reference components. These components correspond with the current product development status on the day of supply. Exchange of the reference components to components with up-to-date product development status is not carried out automatically. No liability is taken for the use of these reference components. Therefore, please request new samples prior to releases for series production and product release.

All products ex stock!