Emitter customization code

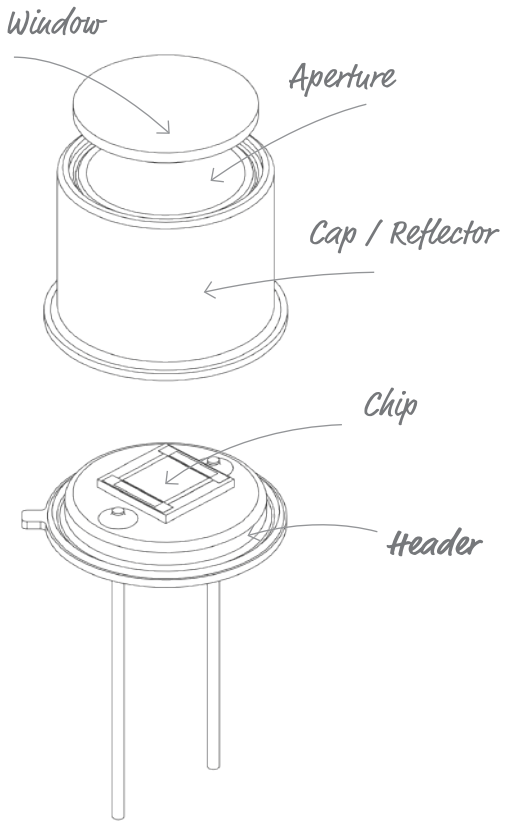
Thin film radiation sources

With this numerical code you can easily choose the right combination of source parts according to your application demands.

JSIRAAA-B-CC-D-EEE-F-GG-III

↗ **For example**

JSIR350-4-AL-C-D3.7-1-A7-I-A0



Thin film radiation source

JSIRAAA-B-

JSIR350-4-AL-C-D3.7-1-A7-I-A0

Thin film radiation source with chip type

JSIR 350-4 – NAC active area 2.2 x 2.2 mm²
JSIR 350-5 – NAC active area 0.65 x 0.65 mm²
JSIR 360-4 – Black-silicon active area 2.2 x 2.2 mm²

CC-

JSIR350-4-**AL**-C-D3.7-1-A7-I-A0

Header

AL – TO39 (symmetric pin layout)
AI – TO39 (assymetric pin layout)
BL – TO46 (for chip type 5)
CB – SMD housing (for chip type 4)
CS – SMD housing (for chip type 5)
DL – TO 8
XX – Customized housing or packaging

D-

JSIR350-4-AL-**C**-D3.7-1-A7-I-A0

Cap

C – Cap
R – Reflector
0 – Without cap / reflector or SMD

EEE-

JSIR350-4-AL-C-**D3.7**-1-A7-I-A0

Aperture / cap / reflector type

S5.0 – Square 5 x 5 mm² (only with body CB)
S2.8 – Square 2.8 x 2.8 mm² (only with body CS)
D2.4 – Diameter 2.4 mm (only with body BL)
D2.5 – Diameter 2.5 mm (only with body BL)
D3.6 – Diameter 3.6 mm (only with reflector BL)
D3.7 – Diameter 3.7 mm (only with body AL)
D5.8 – Diameter 5.8 mm (only with body AL)
D6.0 – Diameter 6 mm (only with reflector AL)
CX – Customized type
0 – Without cap / reflector

F-

JSIR350-4-AL-C-D3.7-**1**-A7-I-A0

Filling gas

1 – Nitrogen (N_2)
2 – Krypton (Kr)
X – Customized filling gas
0 – Open

GG-

JSIR350-4-AL-C-D3.7-1-**A7**-I-A0

Window

A1 – Sapphire (Al_2O_3)
A2 – Calcium fluoride (CaF_2)
A4 – Barium fluoride (BaF_2)
A7 – Silicon ARC 2.5-15.5
XX – Customized window
0 – Without

III

JSIR350-4-AL-C-D3.7-1-A7-**I-A0**

Options

I – HermeSEAL® (only with window A1 or A7)
A0 – Cap and add-on reflector

Visit us at www.microhybrid.com or call us at +49 36601 5920

All rights reserved. All specifications – technical included – are subject to change without notice. No liability is accepted for any consequential losses, injury or damage resulting from the use of this document or from any omissions or errors herein.

Type	JSIR 350-4	JSIR 360-4
Time constant (modulation)	17 ms	28 ms
Lifetime	100000 h at 610 °C	100000 h at 590 °C
Membrane temperature	610 °C at 650 mW nominal power	590 °C at 650 mW nominal power