

Si Photodiodes

KPID020DS-S

Characteristics

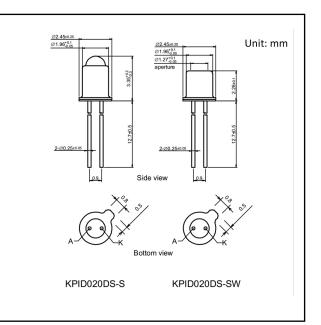
- High density packaging of multiple PD channels
- Cap isolated 2 pin mini can (1.96mm)
- Small size (cap size 1.96mm x 3.35mmL)
- Low dark current (Typ. 15pA @V_R=10V)
- Wide sensitive wavelength (400-1000nm)

Applications

- Digital and analog optical VSR communications
- Optical LAN
- OE converters

Package

• TO-CAN





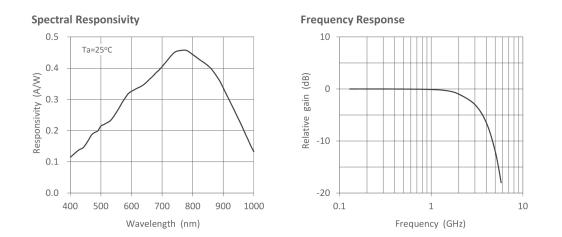
Absolute Maximum Ratings

Parameter	Symbol	Value	Unit	Conditions
Reverse voltage	V _R	20	V	
Reverse Current	I _R	10	mA	
				-
Forward current	I _F	10	mA	
Operating temperature	T _{opr}	-40 to +85		Avoid dew condensation
Storage temperature	T _{stg}	-40 to +85		Avoid dew condensation

Electrical and Optical characteristics (Ta=25 unless otherwise noted)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Active area	S	-	200	-	μm	_
						-
Sensitive wavelength		400	-	1000	nm	
Bandwidth	BW	-	2	-	GHz	V_{R} =10V R _L =50
Deenersivity	R		0.3		A/W	V _R =10V =850nm
Responsivity	ĸ	-	0.5	-		
Dark current	I _D	-	15	60	pА	V _R =10V
Total capacitance	Ct	-	1.0	3	pF	V _R =10V f=1MHz







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