



件 : SU-01-19-A-07-A06F

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: 2018.9.13

1 共 3

PD80-TO46-BL Series

Features:

- Low Voltage Operation
- Low Capacitance and High Speed with a PIN Structure
- Low Dark Current
- Excellent Stability

Applications:

- Digital and Analog Optical Communication
- Optical LAN
- OTDR

Specifications:

A M :

		M .	M .	
Reverse Voltage	V_R	—	20	V
Forward Current	I_F	—	10	mA
Max. Optical Input Power	P_{MAX}	—	10	mW
Operating Temperature	Top	-40	+85	°C
Storage Temperature	Tstg	-40	+85	°C
Lead Solder Temperature	—	—	260	°C
Lead Solder Time	—	—	10	s

C : (=25°C)

		C	M .	.	M .		
Active Diameter	D	—	—	80	—	μm	
Bandwidth	BW	Pi=-10dBm, Small signal modulation, $V_R=5V$	—	2.0	—	GHz	
Responsivity	@1310nm	R	$V_R=5V$	0.8	0.9	—	A/W
	@1550nm	R	$V_R=5V$	0.9	0.95	—	A/W
Dark Current	ID	$V_R=5V$	—	0.03	0.16	nA	
Chip Capacitance	C_{chip}	$V_R=5V, f=1MHz$	—	0.65	0.8	pF	
Optical Spectrum Response Range	λ	—	1100	—	1650	nm	
Operating Voltage	V	—	—	-5	—	V	



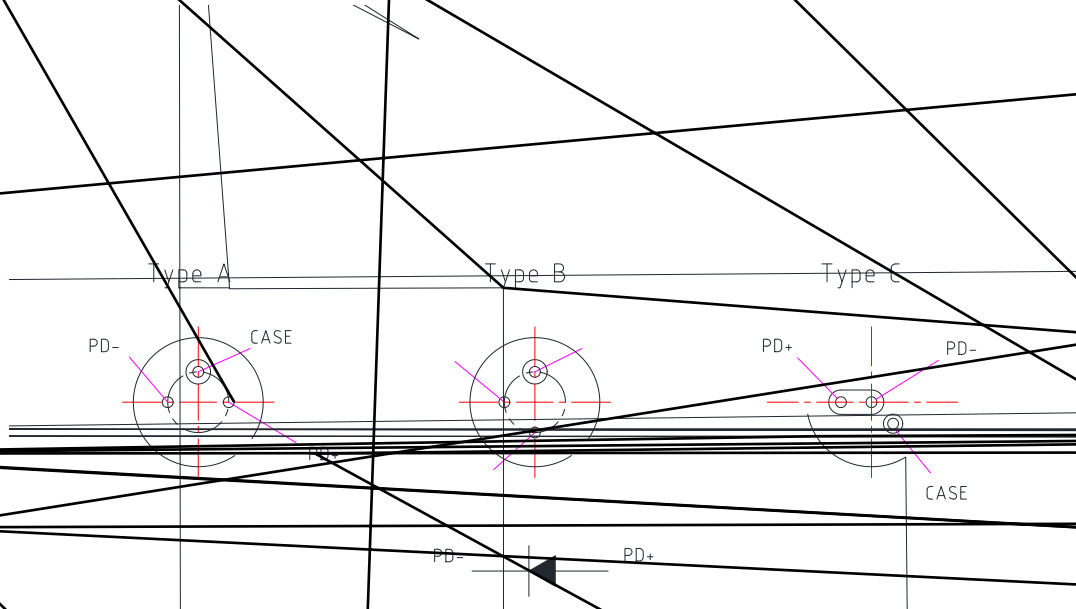
件 : SU-01-19-A-07-A06F

: 01

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2 / 3

Mechanical Dimension and Pin Assignment:





件 : SU-01-19-A-07-A06F : 01 : 2018.9.13 3 共 3

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