



PD80-TO25-BL-2pin 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 :

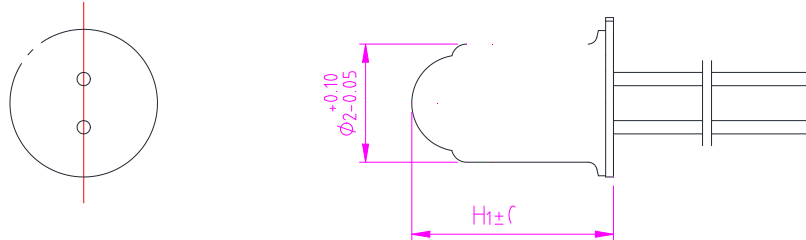
		M .	M .	
Reverse Voltage	V_R		20	V
Forward Current	I_F		10	mA
Max. Optical Input Power	P_{MAX}		10	mW
Operating Temperature	Top	-40	+85	
Storage Temperature	Tstg	-40	+85	
Lead Solder Temperature			260	
Lead Solder Time			10	s

C =25

		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}	$V_R=5V, f=1\text{MHz}$		0.65	0.8	pF
Optical Spectrum Response Range	λ		1100		1650	nm
Operating Voltage	V			-5		V



Mechanical Dimension and Pin Assignment:





Standard Product List:

Product name	Φ_1 (mm)	Φ_2 (mm)	H ₁ (mm)	L ₁ (mm)	L ₂ (mm)	Received light form
PD80-TO25-BL(High)-2pin-A	2.5	1.96	3.35	12.7	12.7	Divergent light
PD80-TO25-BL(High)-2pin-B	2.5	1.96	3.35	14.0	14.0	
PD80-TO25-BL(High)-2pin-C	2.5	1.96	3.35	15.52	17.52	
PD80-TO25-BL(Short)-2pin-A	2.5	1.96	2.92	12.7	12.7	Parallel light
PD80-TO25-BL(Short)-2pin-B	2.5	1.96	2.92	14.0	14.0	
PD80-TO25-BL(Short)-2pin-C	2.5	1.96	2.92	15.52	17.52	

- Standard and custom designs to suit your systems.

Order Information:

D80



<u>Header Type</u>
TO25

<u>Cap Type</u>
BL(High)
High Ball Lens
BL(Short)
Short Ball Lens

<u>Numbers of Pin</u>
2pin

<u>Pin Assignment</u>
A Type A
B Type B
C Type C

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