

E-WD INTEGRATED WDM DETECTORS

Features:

- Environmentally stable
- Low dark current
- Low return loss
- Low insertion loss
- Wide wavelength range
- High isolation

Applications:

- PON system upgrade
- FTTP



Performance Specifications:

PARAMETER	SYMBOL	MIN	MAX	UNIT	REMARK
Operating Temperature	T _{OP}	0	70	°C	
Storage Temperature	T _{Stg}	-40	85	°C	
Soldering Temperature	T _{Sol}		350	°C	<3sec.

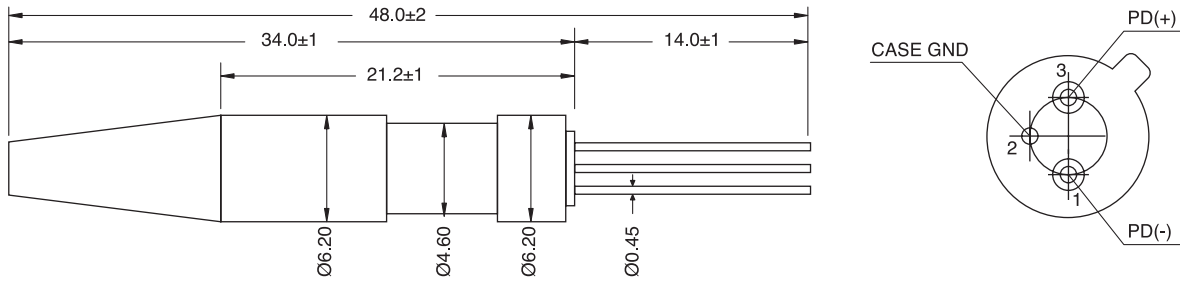
PARAMETER	SYMBOL	MIN	TYP.	MAX	UNIT	REMARK
Detection Range		1100	-	1650	nm	
Dark Current	I _{dark}	-	-	1	nA	
Capacitance	C	-	0.7	0.9	pF	f = 1MHz
Bandwidth	BW	2	-	-	GHz	
Responsivity	R	0.8	0.9	-	A/W	λ = 1310nm
Breakdown Voltage	VBD	25	-	55		IR:10μA

PARAMETER	13/15	15/13	14/15	15/14
Transmission(Com to PD port) Wavelength Range, nm	1260-1360	1460-1620	1260-1360 & 1480-1500	1540-1560
Reflection(Com to Express port) Wavelength Range, nm	1460-1620	1260-1360	1540-1560	1260-1360 & 1480-1500
Insertion Loss, dB			<0.6	
Reflection Ripple, dB			<0.3	
Reflection PDL, dB			<0.15	
PMD, ps			<0.1	
Transmission Isolation, dB	>40	>40	>40	>30
Reflection Isolation, dB			>15	
Return Loss			>45	
Reflection Max. Power, mW			300	

INTEGRATED WDM DETECTORS

Diagram & Dimension:

Unit: mm



Ordering Information:

E - WD - 3PA - L - - - - BMF

Speed				
PIN Type				
Fiber Type				
A	SMF			
Cable Type				
L	900µm Loose tube			
Wavelength (Detected / Expressed)				
13/15	1260-1360nm/1460-1620nm			
14/15	1460-1620nm/1540-1560nm			
XX	Others, Customer Specify			
Pigtail Length				
10	1 meter	05	0.5meter	
20	2 meter	15	1.5meter	
XX	Others, please specify			
Connector Type				
NC	None			
SC	SC type			
ST	ST type			
XX	Others, please specify			
Checking Number				