

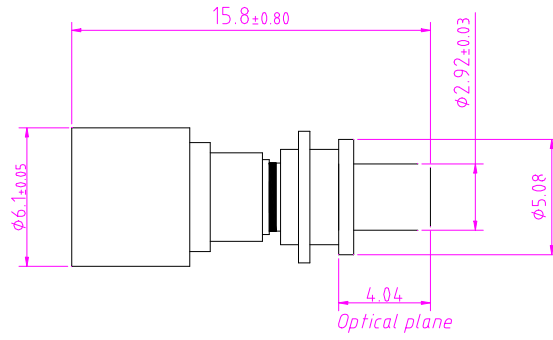


Low threshold current  
 High bandwidth  
 Operating temperature range  $T_C = 40$  to  $+85^\circ\text{C}$   
 With optical isolator

10G Gigabit Ethernet  
 10G Fiber Channel

LD Reverse Voltage	$V_{r(LD)}$	--	2	V
LD Forward Current	$I_{f(LD)}$	--	120	mA
PD Forward Current	$I_{f(PD)}$	--	10	mA
PD Reverse Voltage	$V_{r(PD)}$	--	20	V
Operating Temperature	$T_{op}$	-40	85	
Storage Temperature	$T_{stg}$	-40	95	
Lead Solder Temperature	--	--	260	
Lead Soldering Time	--	--	10	s

Threshold Current	$I_{th}$	--	--	--	12	mA
Forward Voltage	$V_f$	$I_{op}=I_{th}+20\text{mA}$	--	1.3	1.6	V
Monitor Current(MPD)	$I_m$	$I_{op}=I_{th}+20\text{mA}$	100	--	1000	$\mu\text{A}$
Dark Current(MPD)	$I_d$	$V_r=5\text{V}$	--	--	100	nA
Optical Output Power	$P_o$	$I_{op}=I_{th}+20\text{mA}$	0.45	--	0.75	mW
Slope efficiency	SE	$I_{op}=I_{th}+20\text{mA}$	0.0225	--	0.0375	mW/mA
Central Wavelength	$\lambda_c$	$I_{op}=I_{th}+20\text{mA}$	1300	1310	1320	nm
Spectral Width , -20dB		$I_{op}=I_{th}+20\text{mA}$	--	--	1	nm
Side-mode suppression Ratio	SMSR	$I_{op}=I_{th}+20\text{mA}$	30	--	--	dB
Rise/Fall Tim(20~80%)	$T_r/T_f$	--	--	--	45	ps
Tracking Error	TE	-40 ~85	-1.5	--	+1.5	dB





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