

가 ,  
 , 가 ,  
 WDM , 가  
 TDM (Time Division Multiplexing)  
 WDM  
 TDM  
 , AWG  
 (TO, Thermo-  
 Optic) , (EO, Electro-  
 Optic) , 2 (NLO, NonLinear Optic) DFG  
 (Difference Frequency Generation)  
 WDM  
 가 가 ,  
 ATM-PON (Asynchronous Transfer Mode – Passive Optical Network)  
 PLC (Planar Lightwave Circuit)  
 가 가  
 , LiNbO<sub>3</sub> OMEMS (Optical Micro-Electro  
 Mechanical Systems) 가  
 가 가  
 가