

國立臺灣科技大學

NATIONAL TAIWAN UNIVERSITY OF SCIENCE AND TECHNOLOGY

案 號：ETBC-113008 (科研採購規格明細表)

請購單位：電子系

履約期限：決標日起 90 日曆天內完成履約。

項次 No.	品名 Item	規 格 Description	單位 Unit	數量 amount	備註 Remarks
1	Tunable Laser Source 中文名： 可調式雷射	品項1 Tunable Laser Source Wavelength range: cover at least O-band 1260 to 1360 nm 1) Absolute wavelength accuracy @step mode: $\leq \pm 5$ pm 2) Wavelength repeatability @step mode: $\leq \pm 5$ pm 3) Absolute wavelength accuracy @ continuous sweep mode: $\leq \pm 15$ pm 4) Wavelength repeatability @ continuous sweep mode: $\leq \pm 8$ pm 5) Wavelength setting resolution: ≤ 0.1 pm 6) Sweep speed: 1 to 100 nm/s 7) Maximum scan speed: ≥ 100 nm/s 8) Fine-tuning scan range: ≥ 10 GHz 9) Output power: $\geq +13$ dBm peak $\geq +10$ dBm (1260 nm - 1360 nm) $\geq +7$ dBm (Full tuning range) 10) Power stability: $\leq \pm 0.01$ dB 11) Relative Intensity noise: ≤ -150 dB/Hz (1MHz to 3 GHz) 12) linewidth (10 micro second integration time): ≤ 100 kHz 13) Side-mode suppression ratio: ≥ 50 dB 14) Signal to total source spontaneous emission ratio: ≥ 70 dB 15) Signal to source spontaneous emission ratio: ≥ 80 dB/nm, ≥ 90 dB/0.1nm 16) Optical output connector: FC or SC, SPC or APC 17) Communication: GP-IB, USB, Ethernet 18) Operating temperature: 15 to 35 °C	台	1	※請投標商依據本校投標單及規格明細表另行繕打詳細報價單並檢附所報產品型錄或說明資料以供審核。