DAZZLER REFERENCES FOR INSERTION BEFORE OR INSIDE ULTRAFAST AMPLIFIERS

TECHNICAL FEATURES	WB-800	HR-800	HR-1053	HR-1300	HR-1550	UWB-650-1100
Wavelength tuning range* (nm)	700-900	720-920	950-1150	1200-1400	1450-1650	650-1100
Maximum instantaneous spectral width (nm)	200	200	200	200	200	450
Repetition rate	up to 32 KHz	Up to 25 KHz	Up to 25 KHz	Up to 25 KHz	Up to 25 KHz	up to 32 KHz
Spectral resolution (nm)	0.6 @ 800nm	0.3 @ 800nm	0.6 @ 1053nm	0.8 @ 1300nm	1 @ 1550nm	0.6 @ 800nm
Throughput efficiency (%)	50% over a 100nm spectral width	50% over a 60nm spectral width	50% over a 60nm spectral width	0% over a 60nm spectral width	50% over a 60nm spectral width	50% over a 100nm spectral width
	25% over a 200nm spectral width	25% over a 100nm spectral width	70% over a 10nm spectral width	25% over a 100nm spectral width	70% over a 10nm spectral width	10% over a 450nm spectral width
Number of programming points	165 over a 100nm spectral width	200 over a 60nm spectral width	100 over a 60nm spectral width	75 over a 60nm spectral width	60 over a 60nm spectral width	165 over a 100nm spectral width
	330 over a 200nm spectral width	330 over a 100nm spectral width	165 over a 100nm spectral width	125 over a 100nm spectral width	100 over a 100nm spectral width	750 over a 450nm spectral width
Maximum programmable delay (psec)	>3	>6	>6	>5	>5	>3
Maximum peak input optical power	100 MW/cm^2	100 MW/cm^2	100 MW/cm^2	100 MW/cm^2	100 MW/cm^2	100 MW/cm^2
Maximum input beam diameter (mm)	2,5	2,5	2,5	2,5	2,5	2,5
Crystal module dimensions (mm^3)	50*90*20	50*100*20	50*100*20	50*100*20	50*100*20	50*90*20
Ideally suited for	Wide Band Ultrafast Ti:Sa lasers	Narrow Band Ultrafast Ti:Sa lasers	Nd or Yb doped Ultrafast lasers	Cr doped Ultrafast lasers	Fiber based Ultrafast lasers	Ultra Wide Band Ultrafast Ti:Sa lasers

* *Custom wavelength also available upon request.*