SRS 535 VS BNC 577

		SRS DG535	BNC 577	*New!*	Exceeds SRS
					
Price	**2 Channel / 4 Edges**	**$3,995.00**			
	4 Channel / 8 Edges	**not available, see 645**	**$3,920.00**		
	8 Channel / 16 Edges	**not available from SRS**	**$5,655.00**		
	Price / Precision Edge	**$998.75**			
TTL/Adjustable Outputs					
	Number	2 (4 edge outputs)	4 or 8 Channel Options		Yes!
	Load	50ohm or high impedance	50 ohm		
	Rise time	2 - 3 ns typ	3 ns typ		
	Slew rate	1 V/ns	0.1 V/ns		Yes!
	Overshoot	<100mV + 10% of pulse amplitude	< 100 mV +10% of pulse amplitude		
	Levels	TTL 0 to 4 VDC	TTL 0 to 4 VDC into high impedance *VAR adjustable amplitude, 2.0 to 20.0 VDC with 10 mV res, 20.0 VDC max transition into high impedance		
		ECL -1.8 to -0.8 VDC			
		NIM -0.8 to 0.0 VDC			
		VAR adjustable offset & amplitude			
		-3 to +4 VDC with 10mV res.		☺	
		4 VDC max transition		☺	
	Accuracy				
External Trigger Input(s)					
	Number	1	2|1	☺	Yes!
	Rate	DC to 1/(1us + longest delay)	DC to 1/(200ns + longest delay); maximum of 5MHz		Yes!
	Threshold	+/-2.56 VDC	0.2 to 15 VDC		
	Maximum Input Voltage		60 V Peak	☺	Yes!
	Resolution	10mV	10 mV	☺	
	Slope	Rising or Falling	Rising or Falling		
	Impedance	1Mohm + 40pF or 50ohm	1 M ohm + 40 pF or 50 ohm	☺	
	Jitter	50 ps	800 ps RMS	☺	

Gate Input(s)					
	Number	1	0|1		Yes!
	Threshold	TTL	0.2 to 15 VDC		Yes!
	Maximum Input Voltage		60 V Peak		Yes!
	Resolution	10mV	10 mV	☺	
	Polarity	Active High	Active High/Active Low		Yes!
	Function	Externally Triggered Pulse Inhibit	Pulse Inhibit or Output Inhibit	☺	Yes!
	Channel Behavior	Global	Global w/ Individual Channel Enables		Yes!
Delays					
	Range	0 - 1000s	0-1000 s	☺	
	Resolution	5 ps	250 ps	☺	
	Accuracy	1500ps + timebase error x delay	1 ns + (0.0001 x delay)	☺	Yes!
	Timebase	25ppm	25 ppm		
		1ppm optional		☺	
	RMS Jitter	50ps + 10e-8 x delay	200 ps	☺	
	Trigger Delay	85ns	< 300 ns	☺	
	Pulse Inhibit Delay	Unknown	120 ns		
	Output Inhibit Delay	Unknown	50 ns		
Internal Rate Generator					
	Rate	0.001 Hz to 1.000 MHz	0.0002 Hz to 10.000 Mhz	☺	Yes!
	Resolution	4 digits, 0.001 Hz below 10Hz	5 us	☺	Yes!
	Accuracy	Same as timebase	Same as timebase		
	Jitter	1:10,000	200 ps	☺	
	Settling	<2 seconds for any rate change	1 cycle		Yes!
	Burst Mode	2 - 32766	1 to 10,000,000	☺	Yes!
TTL/Adjustable Inputs					
	Number	n/a		☺	Yes!
	Rate	n/a		☺	Yes!
	Threshold	n/a		☺	Yes!
	Maximum Input Voltage	n/a		☺	Yes!
	Resolution	n/a		☺	Yes!
	Impedance	n/a		☺	Yes!

	Function(s)	n/a		☺	Yes!
	Trigger Slope	n/a		☺	Yes!
	Gate Polarity	n/a		☺	Yes!
	Trigger Jitter	n/a		☺	Yes!
Optical Outputs					
	Number	n/a	0 or 2	☺	Yes!
	Wavelength	n/a	820 nm or 1300 nm	☺	Yes!
	Max Signal Rate	n/a	5 M Bd	☺	Yes!
	Max Link Distance	n/a	1.5 km	☺	Yes!
	Connector Type	n/a	ST	☺	Yes!
	Resolution	n/a	500 ps	☺	Yes!
	Accuracy	n/a	1 ns + .0001 x delay	☺	Yes!
Optical Intputs					
	Number	n/a	0 or 2	☺	Yes!
	Wavelength	n/a	820 nm or 1300 nm	☺	Yes!
	Max Signal Rate	n/a	5 Mbd	☺	Yes!
	Max Link Distance	n/a	1.5 km	☺	Yes!
	Connector Type	n/a	ST	☺	Yes!
	Resolution	n/a	500 ps	☺	Yes!
	Accuracy	n/a	2 ns + .001 x delay	☺	Yes!
	Optical Trigger	n/a	2412	☺	Yes!
	Trigger Delay	n/a	< 300 ns	☺	Yes!
	Jitter	n/a	< 15 ns	☺	Yes!
Standard Features/Functions					
	Communications		USB/RS232		
	Global Gates/Triggers		2 Global Gate/Trigger Inputs		
	Channel Gates/Triggers		Optical/Electrical available (5 ns Jitter)		
	External Clock In		10 MHz - 100 MHz User Selectable in 1 MHz Steps		
	External Clock Out		10 MHz - 100 Mhz User Selectable To, Ext Clock, & Sub Multiples of each		
	Command Set Compatibility		Backwards Compatible		