



REVISIONS

DOC. NO. SPC-F004 * Effective: 7/8/02 * DCP No: 1398

DCP #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
1453	A	RELEASED	JWM	2/11/03	HO	2/11/03	DJC	2/11/03



FEATURES:

- 50MHz, Dual Channel
- Delayed Sweep
- Built-In Delay Line
- TV Synchronization
- Z Axis Input
- ALT Triggering Function
- Hold Off Function
- Trigger Level Lock Function
- CH1 Output
- Includes: Powercord, Instruction Manual, 2 Probes (10:1/1:1)

SPC-F004.DWG

<p>TOLERANCES: UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.</p>	DRAWN BY:	DATE:	DRAWING TITLE:			
	Jeff McVicker	2/11/03	50 Mhz oscilloscope with NIST Calibration Certificate			
	CHECKED BY:	DATE:	SIZE	DWG. NO.	ELECTRONIC FILE	REV
	Hisham Odish	2/11/03	A	72-6815C	36C2998.dwg	A
APPROVED BY:	DATE:	SCALE: NTS		U.O.M.: Millimeters		SHEET: 1 OF 2
Daniel Carey	2/11/03					

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Specifications

CRT	Type	6-inch rectangular type with internal graticule; 0%, 10%, 90% and 100% markers, 8 x 10 DIV (1 DIV=1 cm)
	Phosphor	P31
	Accelerating Potential	12kV
	Illumination	Continuously adjustable
	Z-Axis Input	Input Impedance: Approx. 5 k Ω Sensitivity: Above 3Vp-p Bandwidth: DC ~ 5MHz
Vertical System	Sensitivity	5mV/DIV ~ 5V/DIV \pm 3%, 1mV ~ 2mV/DIV \pm 5%
	Bandwidth	DC ~ 50MHz
		DC ~ 15MHz at 1 ~ 2mV/DIV
	Rise Time	7ns (23.3nS for 1~ 2mV/DIV)
	Signal Delay	Leading edge can be monitored
	Input Impedance	Approx. 1M Ω
	Input Coupling	AC, DC, GND
Vertical	CH1, CH2, DUAL, ADD, CH2 INV (Dual automatic switching ALT and CHOP)	
Horizontal System	A (main) Sweep Time	0.1 μ S ~ 0.5S/DIV \pm 3%
		100nS ~ 50mS/DIV \pm 5% (x 10MAG), 10nS~50nS \pm 8% (x10 MAG)
	B (delay) Sweep Time	0.1 μ S ~ 0.5mS/DIV \pm 3%
		100nS ~ 50 μ S/DIV \pm 5% (x 10MAG), 10nS ~ 50nS/DIV \pm 8% (x10 MAG)
	Delay Time	1 μ S ~ 5mS, \pm 5%
Delay Time Jitter	Better than 1:10000	
Trigger	Trigger Mode	AUTO, NORM, SINGLE
	Trigger Source	CH1, CH2, ALT, LINE, EXT.
	Trigger Coupling	AC, DC, HF, REJ, TV
	Trigger Slope	"+" or "-"
X-Y Operation	Sensitivity	5mV ~ 5V/DIV \pm 4%
	X-axis Bandwidth	DC ~ 2MHz
	Phase Error	3° or less from DC ~ 100kHz
Output Signal	Trigger Signal Output	Voltage: approx. 50mV/DIV into 50 Ω
	Calibrator Output	1 kHz Squarewave, 2 Vp-p \pm 2%
Power Source	AC 100V/120V/220V/230V \pm 10%, 50Hz/60Hz	
Dimensions & Weight	310(W) x 150(H) x 455(D)mm; Approx. 8kg	

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SPC-F004.DWG

SIZE DWG. NO.

A 72-6815C

ELECTRONIC FILE

36C2998.dwg

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