



WG. NO.	ELECTRONIC FILE	REV
72-6820	18C2258.dwg	A
	SHEET: 1 OF 3	

### 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: 16 kV approx.  
 Illumination: Continuously adjustable  
 Z-axis input: Coupling: DC  
     Sensitivity: 5V or more  
     Maximum input voltage: 30V(DC+AC peak) at 1kHz or less  
     Bandwidth: DC ~ 5MHz

### VERTICAL SYSTEM

Sensitivity: 2mV ~ 5V / DIV, 11 step in 1-2-5 sequence  
 Sensitivity Accuracy:  $\leq 3\%$  (5 DIV at the center of display)  
 Vernier Vertical Sensitivity: Continuously variable to 1 / 2.5 or less panel-indicate value  
 Bandwidth(-3dB): DC ~ 100MHz (2mV/DIV : DC ~ 20MHz)  
 Rise Time: 3.5nS (2mV/DIV : 17.5 nS)  
 Signal Delay: Leading edge can be monitored  
 Max. Input Voltage: 400V (DC+AC peak) at 1kHz or less  
 Input Coupling: AC, DC, GND  
 Input Impedance:  $1M \Omega \pm 2\%$  // approx. 25pF  
 Vertical Mode: CH1, CH2, DUAL (CHOP/ALT), ADD, CH2 INV.  
 Bandwidth Limited: 20MHz  
 Common-Mode Rejection Ratio: 50 :1 or better at 50kHz

### HORIZONTAL SYSTEM

Horizontal Modes: MAIN (A), ALT, DELAY (B)  
 A(main)Sweep Time: 50nS ~ 0.5S / DIV, continuously variable (UNCAL)  
 B(delay)Sweep Time: 50nS ~ 50mS / DIV  
 Accuracy:  $\pm 3\%$  (+ 5% at x 10 MAG)  
 Sweep Magnification: x 10 (maximum sweep time 5nS / DIV)  
 Hold Off Time: Variable  
 Delay Time: 1 $\mu$ S ~ 5S  
 Delay Jitter: Better than 1:20000  
 Alternate Separation: Variable

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## TRIGGER

Trigger Modes: AUTO, NORM, TV  
 Trigger Source: CH1, CH2, LINE, EXT  
 Trigger Coupling: AC, DC, HFR, LFR  
 Trigger Slope: "+" or "-" polarity or TV sync polarity  
 Trigger Sensitivity:

Mode	Frequency	INT	EXT
AUTO	10Hz ~ 20MHz	0.35 DIV	50 mV
	20MHz ~ 100MHz	1.5 DIV	150 mV
NORM	DC ~ 20MHz	0.35 DIV	50 mV
	20MHz ~ 100MHz	1.5 DIV	150 mV
TV	sync signal	1 DIV	200 mV <sub>pp</sub>

TV Sync: TV-V, TV-H  
 Max. External Input Voltage: 400V (DC+AC peak) at 1kHz  
 External Input Impedance: 1M  $\Omega$   $\pm$ 5%, // approx. 25pF

## X-Y OPERATION

Mode: X-axis: selectable CH1, CH2, EXT  
 Y-axis: selectable CH1, CH2, CH1 and CH2  
 Sensitivity Accuracy: 2mV ~ 5V/DIV  $\pm$ 3%; EXT : 0.1V/DIV  $\pm$ 5 %  
 X-axis Bandwidth: DC ~ 500kHz (-3dB)  
 Phase Error: 3° or less from DC ~ 50kHz

## OUTPUT SIGNAL

Trigger Signal Output: Voltage: approx. 25mV/DIV into 50  $\Omega$   
 Frequency response : DC ~ 10MHz  
 Calibrator Output: 1kHz Squarewave, 2Vpp $\pm$ 2 %

## CURSOR READOUT FUNCTION

Cursor Measurement Function:  $\Delta V$ ,  $\Delta V\%$ ,  $\Delta VdB$ ,  $\Delta T$ ,  $1/\Delta T$ ,  $\Delta T\%$ ,  $\Delta\theta$   
 Cursor Resolution: 1 / 100 DIV  
 Effective Cursor Range Vertical:  $\pm$ 3DIV; Horizontal:  $\pm$ 4DIV  
 Panel Setting Display Vertical: V/DIV(CH1,CH2), UNCAL, ALT/CHOP/ADD, INV, probe factor, AC/DC/GND  
 Horizontal: S / DIV(MTB,DTB), UNCAL, x 10MAG, delay time, HO  
 Trigger: source, coupling, slope, level, TV-V, TV-H  
 Others: X-Y, lock, save/recall MEM 0-9

## SPECIAL FUNCTION

TIME/DIV Auto Range Provided  
 Panel Setting Save & Recall 10 sets  
 Panel Setups Lock Provided  
 POWER SOURCE AC: 100V / 120V / 230V  $\pm$ 10 %, 50 / 60Hz  
 ACCESSORIES: Power cord, Instruction manual, two Probes(10:1/1:1)  
 DIMENSIONS & WEIGHT 310(W) x 150(H) x 455(D) mm; Approx. 9kg

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