

Specifications

CQ5020 / CQ5040

CQ5020/CQ5030/CQ5040																
CRT																
Type	6" rectangle, internalgraticule, 0%, 10%, 90% and 100% marks															
Display area	8 x 10DIV (DIV=10mm)															
Accelerating voltage	.9kV(CQ5020) 2kV (CQ5030)12kV(CQ5040)															
Intensity and focusing	Continuously adjustable at front panel															
Trace rotation	Adjusted at the front panel															
VERTICAL SYSTEM																
Sensitivity and accuracy	5mV / DIV~20V / DIV $\pm 3\%$ 1mV / DIV ~ 2mV / DIV, $\pm 5\%$ 12 calibration steps in 1-2-5 sequence, x 5 MAG only CH1															
Trimming ratio	$\geq 2.5:1$															
Width of band (-3dB)	DC(AC 10Hz) ~20MHz (CQ5020) DC(AC 10Hz) ~30MHz (CQ5030) DC(AC 10Hz) ~40MHz (CQ5040)															
Rise Time	$\leq 17.5ns$ (CQ5020) $\leq 12ns$ (CQ5030) $\leq 8.75ns$ (CQ5040)															
Max. Input Voltage	400V (DC + ACpeak) at 1kHz or less															
Input Coupling	AC, DC, GND															
Input Impedance	Approx. $1M\Omega \pm 3\%$ 30pF $\pm 5pF$															
Vertical Mode	CH1, CH2, DUAL (CHOP, ALT) ADD, CH2 inverse															
CH1 signal output	25mV / DIV 50 Ω 20Hz~10MHz(-3dB)															
HORIZONTAL SYSTEM																
Sweep time	0.2 μs ~0.2s / DIV 19 steps in 1-2-5 sequence															
Sweep accuracy	$\pm 3\%$, $\pm 5\%$ at x10MAG															
Trimming ratio	$\geq 2.5:1$															
Sweep magnificaton	x10MAG															
Max sweep time	20nS/DIV															
TRIGGER SYSTEM																
Trigger Modes	AUTO,NORM,TV															
Trigger Source	VERT-MODE, CH1, EXT, LINE															
Coupling	AC															
Trigger Polarity	"+" or "-"															
Trigger sensitivity	<table border="1"> <thead> <tr> <th></th> <th>10Hz~10MHz</th> <th>10MHz~20MHz</th> <th>20MHz~30MHz</th> <th>30MHz~40MHz</th> </tr> </thead> <tbody> <tr> <td>INT</td> <td>0.5DIV</td> <td>1.5DIV</td> <td>1.5DIV</td> <td>1.5DIV</td> </tr> <tr> <td>EXT</td> <td>0.2</td> <td>0.8</td> <td>0.2</td> <td>0.8</td> </tr> </tbody> </table> <p>TV sync pulse 1 DIV or 1V (EXT)</p>		10Hz~10MHz	10MHz~20MHz	20MHz~30MHz	30MHz~40MHz	INT	0.5DIV	1.5DIV	1.5DIV	1.5DIV	EXT	0.2	0.8	0.2	0.8
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INT	0.5DIV	1.5DIV	1.5DIV	1.5DIV												
EXT	0.2	0.8	0.2	0.8												
External trigger input	Input impedance: $1M\Omega \pm 3\%$ 25pF $\pm 5pF$ Max. input voltage: 400V															
X-Y OPERATION																
Input	X-axis: CH1, Y-axis: CH2															
Sensitivity & accuracy	5mV~20V/DIV, $\pm 3\%$ 1mV/DIV~2mV/DIV, $\pm 5\%$															
Width of band (-3dB)	Axis X: CQ5020: DC ~ 500kHz CQ5030: DC ~ 1MHz CQ5040: DC ~ 1MHz															
Phase difference	≤ 3 or less from DC to 50kHz)															
Axis Z																
Sensitivity	5V															
Polarity	Negative going input increase intensity															
Input impedance	20K Ω ~30K Ω															
Usable frequency range	DC~2MHz															
Max. input voltage	30V (DC+AC peak)															
Calibration																
Signal	1kHz 0.5Vp-p square wave															
POWER SOURCE	110~127 VAC $\pm 10\%$, 220~240VAC $\pm 10\%$, 50Hz $\pm 2Hz$ / 60Hz $\pm 2Hz$															
ACCESSORIES																
	Instruction manual x 1 Power cable x 1 ,Fuse x 1 Probe x 2															
DIMENSIONS & WEIGHT	316mm x 132mm x 410mm Approx 7.8kg															