

## QT4810 SERIES

### Features

- .Clear feature curves
- .Double cluster display circuit for multiple current amplification
- .Max. step potential source output is up to 2V/STAGE
- .Conjugation function for the parallel FET



**QT4810A**

Technical data		QT4810A	QT4810B
Deflection coefficient of vertical axis	Scope of collector current( $I_C$ )	20 $\mu$ A/DIV~1A/DIV, divided into 15 grades, error is not more than $\pm 3\%$	
	Reversal drain current of diode( $I_R$ )	0.2 $\mu$ A/DIV~1A/DIV, divided into 6 grades	
		2 $\mu$ A/DIV~10 $\mu$ A/DIV,error is not more than $\pm 3\%$	
		0.2 $\mu$ A/DIV~1 $\mu$ A/DIV,error is not more than $\pm 10\%$	
		0.2 $\mu$ A/DIV, interfere $\leq 0.5V/DIV$	
Deflection coefficient of horizontal axis	Base current or base voltage	20mV/DIV, error $\leq \pm 3\%$ ,deflection multiplying factor x0.5,error $\leq \pm 10\%$	
	Scope of collector voltage	0.05V/DIV~500V/DIV divided into 10 grades, error $\leq \pm 3\%$	
	Scope of drain current voltage of diode	100V/DIV~500V/DIV divided into 3 grades, error $\leq \pm 5\%$ (for matching 5kV test floor)	
	Scope of base voltage	0.05V/DIV~2V/DIV, divided into 6 grades, error $\leq \pm 3\%$	
	Base current or base source voltage	0.1V/DIV, error $\leq \pm 3\%$	
Step signal	Scope of step current	1 $\mu$ A/STAGE~0.1A/STAGE, divided into 16 grades, error $\leq \pm 5\%$	
	Scope of step voltage	0.05V/STAGE~2V/STAGE, divided into 6 grades,error $\leq \pm 5\%$	
	Stage number per cluster	4~10 stages continuously adjustable	
	Step zeroing	Not less than $\pm 1DIV$	
	Step number per second	200(commercial frequency:50Hz)	
	Step polarity	Positive or negative	
	Step form	Continuous or single cluster	
Collector sweep supply	Max.current or power of sweep supply each grade	0~5V grade:10A	0~0.04W
		0~20V grade:2.5A	0~0.4W
		0~100V grade:0.5A	0~4W
		0~500V grade:0.1A	0~20W
	Dissipation resistance	0~500k $\Omega$ , divided into 11 ranges	2.5~100k $\Omega$ , divided into 6 ranges
		10 $\Omega$ ~500k $\Omega$ , error $\leq \pm 10\%$	
Power source	0.5 $\Omega$ ~2.5 $\Omega$ , error $\leq \pm 20\%$		
Dimensions(W×H×D)	220VAC $\pm 10\%$ , 50Hz $\pm 2$ Hz		
Weight	240×330×480mm		
	13.5kg		