

## KCO-835 Series

### *Plastic Surface Mount Crystal Clock Oscillators*

#### **5.0V Model:**

Description	KCO-835A	KCO-835AT	KCO-835B	KCO-835BT	KCO-835C	KCO-835CT
Frequency range	1.0 MHz ~ 70.0 MHz				1.0 ~ 50.0 MHz	
Frequency stability	± 50ppm, ± 100ppm					
Operating temperature range	0 ~ +70					
Input voltage	5.0V ± 0.5V					
Input current	1.0 MHz ~ 26.9 MHz		15mA Max			
	27.0 MHz ~ 49.9 MHz		30mA Max			
	50.0 MHz ~		45mA Max			
Output "0" Level "1"Level	0.4V Max.		0.5V Max.		0.4V Max./0.5V Max.	
	2.4V Min.		VDD-0.5 Min.		2.4V Min./VDD-0.5V Min.	
Output Load 1.0 MHz ~ 49.9 MHz 50 MHz ~	10TTL		CMOS		TTL/CMOS	
	5TTL		30pF			
Rise & Fall Time	1.0 MHz ~ 39.9 MHz		8ns Max.			
	40.0 MHz ~		6ns Max.			
Duty cycle	40:60					
Tristate	without	With	without	with	without	With

#### **3.3V Model:**

Description	KCO-835D	KCO-835DT	
Frequency range	1.0 MHz ~ 70.0 MHz		
Frequency stability	± 50ppm, ± 100ppm		
Operating temperature range	0 ~ +70		
Input voltage	3.3V ± 0.3V		
Input current	1.0 MHz ~ 26.9 MHz		10mA Max
	27.0 MHz ~ 49.9 MHz		20mA Max
	50.0 MHz ~		25mA Max
Output "0" Level "1"Level	0.4V Max.		
	VDD-0.4V Min.		
Output Load	15pF		
Rise & Fall Time	5ns Max.		
Duty Cycle	40:60		
Tristate	without	with	

All specifications are subject to change without notice.

Option: \*Tighter Stability, \*Extended Temperature, \*Option 45:55 Duty Cycle

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