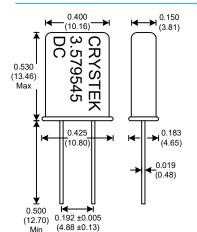




Part number

CY2RM CY3DM CY3J CY3JM

CYxx Model Leaded HC49 Crystal



Resistance at	series resonance
Fred (MHz)	May FSR

Freq. (MHz)	Max ESR
2.4576 - 4.0	175
4.1 - 4.9	100
5.0 - 5.9	50
6.0 - 11.9	40
12.0 - 22.9	30
30.0 - 50.0	40
50.1 - 100.0	90
100.1 - 150.0	120

Table 1



Dimensions inches (mm)
All dimensions are maximum unless otherwise specified

CY3JM	3.686400		18pF	1/5
CY3JN	3.686400		20pF	175
CY3A	4.000		series	100
CY3AP	4.000		20pF	100
CY4F	4.096		20pF	100
CY4E	4.194304		12pF	75
CY4D	4.915200		series	75
CY7A	5.000		series	50
CY7AP	5.000		20pF	50
CY5B	5.068800		series	50
CY6B	6.000		series	40
CY6BP	6.000		20pF	40
CY6C	6.144		30pF	40
CY6CP	6.144		20pF	40
CY6G	6.400		20pF	40
CY7B	7.372800		series	30
CY7BP	7.372800		20pF	30
CY8G	8.000		series	30
CY8GP	8.000		20pF	30
CY8J	8.192		series	30
CY8JP	8.192		20pF	30
CY9B	9.830400		series	30
CY12A	10.000		series	30
CY11B	11.059200		series	30
CY11BP	11.059200		20pF	30
CY12B	12.000		series	30
CY12BP	12.000		20pF	30
CY14A	14.318180		series	30
CY14AC	14.318180		18pF	30
CY14AP	14.318180		20pF	30
CY14B	14.745600		series	30
CY14BP	14.745600		20pF	30
CY15A	15.000		series	30
CY16B	16.000		series	30
CY16BP	16.000		20pF	30
CY19A	18.000		series	30
CY19B	18.432		series	30
CY19BP	18.432		20pF	30
CY20A	19.660800		series	30
CY20AP	19.660800		20pF	30
CY22A	20.000		series	30
CY22AP	20.000		20pF	30
CY22B	22.118400		series	30
CY22BP	22.118400		20pF	30
CY24A	24.000		series	40
CY24AP	24.000		20pF	40
CY25A	25.000		series	40
CY27A	27.000	3 rd	series	40
CY30B	32.000	3 rd	series	40
CY36A	36.000	3 rd	series	40
CY48A	48.000	3 rd	series	40
CY100A	100.000	3 rd	series	90

Freq. (MHz) 2 457600

3.579545 3.686400

3.686400

Frequency Range: 2.457600 MHz to 40 MHz (fund)

40 MHz to 100 MHz (3rd O/T)

100 MHz to 150 MHz (5th O/T)

Calibration Tolerance: ±50ppm (Standard p/n)

(Option) ±10ppm to ±100ppm

Frequency Stability: ±100ppm (Standard p/n)

(Option) ±15ppm to ±100ppm

Operating Temp. range: 0 to 70°C (Standard p/n)

> (Option) -20 to 70°C

(Option) -40°C to 85°C -45°C to 90°C

Storage Temp. range: Shunt Capacitance: 7.0pF Max

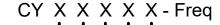
Drive level: 100uW Typical

> ESR: See table 1

<3ppm 1st year Max Aging:

Insulation Resistance: 500 Megaohms Min at 100Vdc

Build Your Own P/N



Frequency Tolerance at 25°C 1 ±10 ppm 2 ±15 ppm 3 ±20 ppm 4 ±25 ppm 5 ±30 ppm 6 ±50 ppm 7 ±100 ppm

Optional spacer available

	Frequency Stability over Temp Range						
В	±15 ppm	(0 to 70°C)	J	±30ppm	(-20 to 70°C)		
С	±20 ppm	(0 to 70°C)	K	±50 ppm	(-20 to 70°C)		
D	±25 ppm	(0 to 70°C)	L	±100 ppm	(-20 to 70°C)		
Ε	±30 ppm	(0 to 70°C)	M	±20 ppm	(-40 to 85°C)		
F	±50 ppm	(0 to 70°C)	Ν	±25 ppm	(-40 to 85°C)		
G	±100 ppm	(0 to 70°C)	0	±30 ppm	(-40 to 85°C)		
Н	±15 ppm	(-20 to 70°C)	Ρ	±50 ppm	(-40 to 85°C)		
(ı	±20 ppm	(-20 to 70°C)	Q	±100 ppm	(-40 to 85°C)		

Load Capacitance Series 14 pF 2 3 16 pF 4 18 pF 5 20 pF 6 22 pF 25 pF 32 pF

Options

Max ESR

175 175 175

series 18pF

Spacer

Example:

CY4F51S-20.000 = ±25ppm at 25°C, ±50ppm 0 to 70°C, 20pF Load Cap, Fundamental, with Spacer, 20.000 MHz

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Mode

S

- Fundamental 1.8432-40 MHz 3rd Overtone 40-100 MHz
- 5th Overtone 100-150 MHz

TD-021008 Rev. M



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Crystek:

 CY3JM
 CY14B
 CY6CP
 CY19BP
 CY5B
 CY14AC
 CY22AP
 CY16BP
 CY25A
 CY16B
 CY4E
 CY8JP
 CY6C

 CY6BP
 CY4F
 CY8J
 CY19B
 CY14BP
 CY14AP
 CY7A
 CY7B
 CY2BM
 CY8GP
 CY22B
 CY12B
 CY22A
 CY6B

 CY22BP
 CY11BP
 CY3J
 CY24AP
 CY3GM
 CY9B
 CY20A
 CY4D
 CY2AM
 CY12BP
 CY24A
 CY8G
 CY2AP

 CY14A
 CY3A
 CY3JN
 CY12A
 CY20AP
 CY19A
 CY7AP
 CY15A
 CY3DM
 CY27A
 CY30B
 CY7BP
 CY3AP
 CY11B

 CY8AP