



Features

- ▣ Wide frequency range
- ▣ Plastic moulded package
- ▣ AT-strip crystal
- ▣ Fundamental mode up to 40.0MHz

Standard Frequencies

Frequencies in MHz			
3.579545	8.192000	14.745600	22.579200
3.686400	9.216000	15.000000	24.000000
4.000000	9.600000	15.360000	24.576000
4.096000	9.830400	16.000000	25.000000
4.433619	10.000000	16.384000	28.322000
4.915200	10.240000	16.588000	29.491200
6.000000	10.245000	17.734475	32.000000
6.144000	11.059200	18.432000	36.000000
6.553600	12.000000	19.200000	40.000000
7.159090	12.288000	19.660800	48.000000
7.372800	13.000000	20.000000	50.000000
7.680000	13.500000	20.945000	66.666000
8.000000	14.318180	22.118400	80.000000

Specifications

Parameters	Product	Option Codes
	86SMX	
Frequency range:	3.5 ~ 90.0MHz	■
Calibration tolerance:	±30ppm ±50ppm	■ □
Temperature stability:	±50ppm ±100ppm	■ □
Operating temperature range:	-10 to +70°C -40 to +85°C other	■ □ □
Storage temperature range:	-40 to +90°C	■
Circuit condition:	12pF 16pF 20pF 30pF Series resonant Other values	□ ■ □ □ □ □
Oscillation mode:	Fundamental (10.0 ~ 40.0MHz) 3rd overtone (30.0 ~ 90.0MHz)	■ ■
Static capacitance (C ₀):	5pF max	■
Equivalent series resistance (max):	200Ω (3.5 ~ 3.9MHz) 150Ω (4.0 ~ 4.9MHz) 100Ω (5.0 ~ 5.9MHz) 80Ω (6.0 ~ 8.9MHz) 60Ω (9.0 ~ 9.9MHz) 50Ω (10.0 ~ 12.9MHz) 35Ω (13.0 ~ 18.9MHz) 25Ω (19.0 ~ 40.0MHz, fund) 80Ω (30.0MHz+, 3rd OT)	■ ■ ■ ■ ■ ■ ■ ■ ■
Ageing:	±5ppm max first year	■
Drive level:	100μW max	■
Soldering conditions:	260°C, 10sec max	■

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + option codes + frequency
 eg: **86SMX/351DF 16.0MHz** 30/50/10/16-F (standard)
86SMX/514JF 24.0MHz 50/100/40/30-F
 Option code X (eg 86SMX/X) denotes a custom specification.

- ◆ Available on T&R - 1k pcs per reel.
- ◆ Refer to our website for T&R and soldering details.