



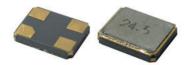


X16 CERAMIC SURFACE-MOUNT CRYSTAL

FEATURES

- Ultra miniature SMD package
- Very Low Ageing
- Excellent heat resistance and shock resistance
- Applications: Bluetooth, Wireless applications, IoT, ...

1.6 x 1.2 x 0.35 mm



Item	Symbol	Specification		
Frequency Range	Fo	24 MHz ~ 60 MHz		
Operation Mode		Fundamental		
Operating temperature Range	То	-20° to +70°C (see options)		
Frequency Tolerance at 25°C	Δf/F	± 50ppm max. (see options)		
Temperature Stability	Δf/F	± 50ppm max. (see options)		
Load Capacitance (CL)	CL	series or 6 pF to 32 pF (see options)		
Equivalent Series Resistance	ESR	See Table 1		
Shunt Capacitance (Co)	Co	3pF Max		
Insulation Resistance Ri Drive Level DL		500 MΩ min. (at 100Vdc) 10μW typical, 100μW max.		
Packing Unit		3000pcs / reel		
Soldering Condition		260°C, 10 sec x2 max		
		Customer specifications on request		

TABLE 1: Standard ESR

Frequency (MHz)	ESR (Ω) max.
24.0 - 29.9	120
30.0 - 36.9	80
37.0 - 60.0	60

OPTIONS & ORDERING INFORMATION

X16-

6-						MHz	
	Freq. Tolerance	Freq. Stability	Operating Temp.	Load Capacitance	Mode	Frequency in MHz	ESR if other than STD
	10 = ±10 ppm	05 = ±5 ppm	D = -10° / +60°C	Please specify CL in	F = Fundamental	Please specify the	Specify a value in Ω
	15 = ±15 ppm	10 = ±10 ppm	E = 0° / +70°C	pF or S for Series		frequency in MHz	
	20 = ±20 ppm	15 = ±15 ppm	F = -20° / +70°C				
	25 = ±25 ppm	20 = ±20 ppm	G = -30° / +75°C				
	30 = ±30 ppm	25 = ±25 ppm	H = -30° / +85°C				
	50 = ±50 ppm	30 = ±30 ppm	K = -40° / +85°C				
		50 = ±50 ppm					

^{*} Note : Not all combinations are possible, please consult us.







OUTLINE DIMENSIONS

