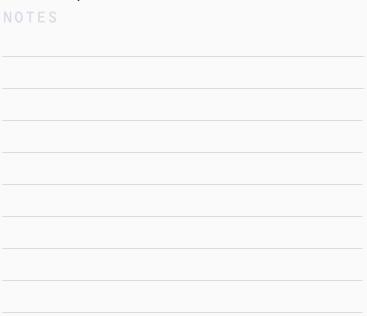
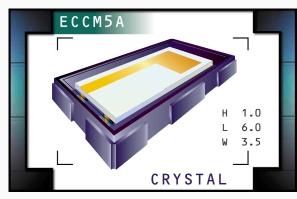
ECCM5A Series

- Miniature four pad ceramic surface mount package
- AT cut
- Tight tolerance/stability
- Frequencies to 32.000MHz available
- Tape and reel available

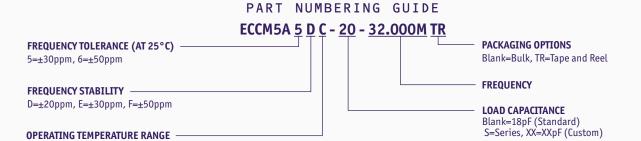






_Φ TABLE 1: PART NUMBERING CODES									
Range	X Denotes Availability		Frequency Stability						
			±20ppm	±30ppm	±50ppm				
atur		Code	D	Е	F				
Temperature	-10°C to +60°C	А	Х	Х	Х				
Tem	-20°C to +60°C	В	Х	Х	Х				
ing	0°C to +70°C	С	Х	Х	Х				
Operating	-10°C to +70°C	D	Х	Х	Х				
o	-20°C to +70°C	E	Х	Х	Х				

ELECTRICAL SPECIF	ICATIONS						
Frequency Range	11	11.0592MHz to 32.000MHz					
Frequency Tolerance		±30ppm, or ±50ppm					
Frequency Stability		Per Table 1					
Operating Temperature Range		Per Table 1					
Aging (at 25°C)		±2ppm / year Maximum					
Storage Temperature Range		-40°C to 85°C					
Shunt Capacitance		5pF Maximum					
Insulation Resistance	50	500 Megaohms Minimum at 100V _{DC}					
Drive Level	10	100 μWatts Maximum					
Load Capacitance (C _L)	18	18pF (Standard), C _L ≥10pF, or Series Resonant					
Spurious Response	-3	-3dB Minimum; F_0 to F_0 +5000ppm					
EQUIVALENT SERIES I	RESISTANCE (ESR)	, MODE OF OPERATI	ON (MODE), AND	CUT			
Frequency Range		ESR (Ω)		Mode / Cut			
11.0592MHz to 24.000MHz		50 Maximum		Fundamental / AT			
24.001MHz to 32.000MHz		40 Maximum		Fundamental / AT			
MANUFACTURER ECLIPTEK CORP.	CATEGORY CRYSTAL	SERIES ECCM5A	package CERAMIC	class CR30	REV = DATE 12/01		



Per Table 1

