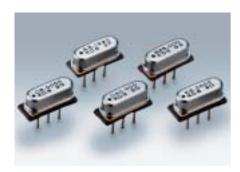
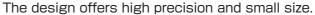
SMD Type Crystal Oscillators

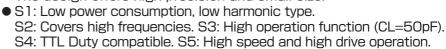
DOC-49S SERIES



Features

 AT-49S Series has C-MOS oscillation circuit built into AT-49 package.





Hermetically sealed package assures high reliability

Applications

PC, peripherals, game equipment and other appliances

Standard Specification

Item		DOC-49S1	DOC-49S2	DOC-49S3	DOC-49S4	DOC-49S5
Output Frequency Range		156.25kHz~20.0MHz	20.1~70MHz	1.25~20MHz	1.25~50MHz	1.25~50MHz
Frequency Stability		±50×10 ⁶ , ±100×10 ⁶				
Оре	erating Temperature Range	-10~+70℃				
Storage Temperature Range		−20~+80°C				
Οι	ıtput	C-MOS			TTL	C-MOS
Output Characteristics	"0" Level	10%Vpp max.			+0.5V max.	10%Vpp max.
	"1" Level	90%Vpp min.			+2.4V min.	90%VDD min.
	Symmetry	40~60% (Fo≥10MHz) 45~55% (Fo<10MHz)	40~60%	40~60% (Fo≥10MHz) 45~55% (Fo<10MHz)		40~60% (Fo≥20MHz) 45~55% (Fo<20MHz)
	Rise and Fall Time	50nsec. max. (Fo<2MHz) 20nsec. max. (Fo≥2MHz)	10nsec. max. (Fo≦50MHz) 8nsec. max. (Fo≦70MHz)	15nsec. max.	8nsec. max. (Fo<29MHz) 5nsec. max. (29MHz≦Fo≤50MHz)	8nsec. max.
Supply Voltage		+5.0V DC±10%				
Current Consumption		5mA max. (No Load) 20mA max. (Fo≤50MHz, No Load) 10mA max. (No Load) 10mA max. (Fo≤20MHz, No Load) 35mA max. (20MHz <fo≤50mhz, load)<="" no="" td=""></fo≤50mhz,>				
Output Load		CL=15pF or 2LS-TTL	CL=15pF or 2LS-TTL	CL=50pF or 10LS-TTL	10TTL	CL=50pF or 10TTL

Consult our sales representative for other specifications.

■ Dimensions[mm]

