



## FEATURES

- SMALLEST AVAILABLE SMD-CRYSTAL IN CERAMIC PACKAGE
- HIGH RELIABILITY FOR LOW COST
- LOW PROFILE - 0.6 MM MAX. PACKAGE HEIGHT
- EXTENDED TEMPERATURE RANGE TO -40/+125°C AVAILABLE
- DESIGNED FOR THE USE IN MOBILE COMMUNICATION, AUTOMOTIVE, ETC.
- TIGHT TOLERANCES AND STABILITIES AVAILABLE

<b>MINI-SMD-CRYSTAL SERIES</b>	SMD03025/4	
<b>FREQUENCY RANGE</b>	12.0 ~ 50.0 MHz (AT-FUNDAMENTAL)	
<b>STANDARD FREQUENCIES IN MHz</b>	12.000 / 13.000 / 14.7456 / 16.000 / 16.384 / 19.200 20.000 / 25.000 / 26.000 / 27.000 / 30.000 / 36.000 40.000 / 48.000 / 50.000 MHz	
<b>RESONANCE RESISTANCE</b>	12 MHz = <100 Ω / 13 - 19.2 MHz = <80 Ω / 20 - 48 MHz = <50 Ω	
<b>FREQUENCY TOLERANCE AT 25°C</b>	+5 ppm ~ +50 ppm	
<b>TEMPERATURE RANGE</b>	0/+50°C ~ -40/+125°C	
<b>TEMPERATURE STABILITY</b>	+3 ppm	0/+50°C
	+5 ppm	0/+50°C / -10/+60°C / -20/+70°C
	+10 ppm	0/+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C
	+15 ppm	0/+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C
	+20 ppm	0/+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C
	+30 ppm	0/+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C
	+50 ppm	0/+50°C / -10/+60°C / 0/+70°C / -20/+70°C / -40/+85°C / -40/+125°C
<b>LOAD CAPACITANCE</b>	6 ~ 50 pF or Series	
<b>SHUNT CAPACITANCE</b>	7 pF max.	
<b>DRIVE LEVEL</b>	0.01 mW ~ 0.1 mW (optional 1.0 mW available)	
<b>AGING</b>	+2 ppm per year (optional +1 ppm available)	
<b>INSULATION RESISTANCE</b>	>500 MΩ DC/100V +10%	
<b>STORAGE TEMPERATURE</b>	-55/+125°C	
<b>PACKAGE</b>	Tape and Reel (1.000 pcs per reel)	
<b>OTHER PARAMETERS ARE AVAILABLE ON REQUEST / CREATE HERE YOUR SPECIFICATION</b>		

## PART NUMBERING SYSTEM

<b>EXAMPLE</b>	SMD03025/4 26.000 MHz 10/10/0+70/12pF
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TYPE	SMD03025/4
FREQUENCY	IN MHZ
FREQUENCY TOLERANCE AT 25°C	REQUIRED VALUE
TEMPERATURE STABILITY	REQUIRED VALUE
TEMPERATURE RANGE	REQUIRED VALUE
LOAD CAPACITANCE	REQUIRED VALUE

