



GENERIC SPECIFICATION

ITEM	QRS3 SMD3225-M4	REMARK
Nominal Frequency Range	12MHz to 50MHz	Fund. Mode / AT
Frequency tolerance @25 °C	±10ppm to ±100ppm	Others are offered
Load Capacitance	8pF to ∞pF	Please specify
Frequency temperature characteristics	±10ppm to ±100 ppm	Others are offered
Temperature Range	Storage Temp.	-40°C~ +85°C/-55°C~ +125°C
	Operating Temp.	-10°C~ +60°C to -40°C~ +85°C
Drive Level	10uW to 100uW(Typical:10uW)	Please specify
Equivalent Series Resistance	As Per Table	
Shunt Capacitance	5.0pF Max.	
Insulation Resistance	More than 500MΩ @ DC 100V	
Aging	First year ±3ppm	

MOTIONAL (SERIES) RESISTANCE (R1)

Frequency Range	12MHz-16MHz	16MHz-20MHz	20MHz-24MHz	26MHz-50MHz
Mode	Fundamental	Fundamental	Fundamental	Fundamental
R1	100Ω max	80Ω max	60Ω max	40Ω max