

**I. PART NUMBER**

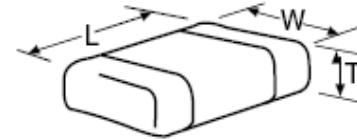
**QM series** – vertical electrodes, reduces low frequency (audio) noise

**QM036D106MAT2A**

**II. MECHANICAL DIMENSION**

**EIA 0603**

Dimension	Length (L)	Width (W)	Thickness (T)
mm	1.6±0.2	0.8±0.2	0.8±0.2



**III. PERFORMANCE CHARACTERISTICS**

Capacitance Value	10 $\mu$ F
Capacitance Tolerance	M= $\pm$ 20%
Voltage Rating	6.3 VDC
Operating Temp. Range	-55°C to +85°C
Temperature Characteristic	+/-15% (X5R)
Dissipation Factor	12.5% max
Insulation Resistance	10000M $\Omega$ or 500M $\Omega$ · $\mu$ F min (charge device with rated voltage for 60 $\pm$ 5 sec @ room temp/humidity)
Test Frequency	1 kHz +/- 10% @ 0.5 +/-0.2 Vrms
Terminations	Nickel Barrier; 100% tin

PRELIMINARY