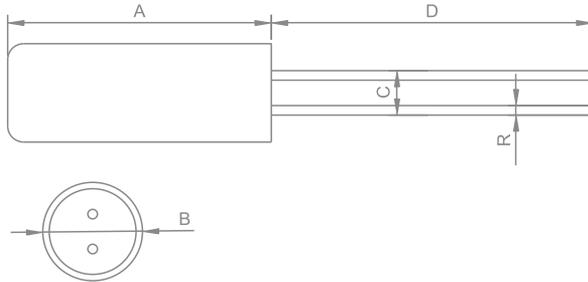


Dimensions(mm)



Choose	Type	A	B	C	D	R	Type Code
<input type="checkbox"/>	TF308	8.2MAX	Ø3.1MAX	1.1	10.0MAX	Ø 0.3	QTDO
<input type="checkbox"/>	TF206	6.2MAX	Ø2.1MAX	0.7	10.0MAX	Ø 0.2	QTDA

GENERIC SPECIFICATION

ITEM	QTDO TF308	QTDA TF206	REMARK
Nominal Frequency Range	30KHz to 150KHz	32.768KHz	Standard: 32.768KHz
Frequency tolerance @ 25°C	±5ppm to ±20ppm		For 32.768KHz Only
Load Capacitance	6pF~12.5pF		Please specify
Turn Over Temperature	25°C ± 5°C		
Temperature Coefficient	-0.04 x 10 ⁻⁶ / °C ²		
Temperature Range	Storage Temp.	-40°C to +85°C	
	Operating Temp.	-10°C~ +60°C to -40°C~ +85°C	
Drive Level	1.0uW		
Soldering Condition	Under 230°C ±5°C within 5 sec.		
Equivalent Series Resistance	As Per Table		
Shunt Capacitance 0.9pF 0.8pF Typical	0.9pF	0.8pF	Typical
Motional Capacitance	2.1fF	2.0fF	Typical
Insulation Resistance	More than 500MΩ @ DC 1.0V		
Aging	First year ±3ppm		

MOTIONAL (SERIES) RESISTANCE (R1)

Frequency Range	30KHz-40KHz	40KHz-60KHz	60KHz-70KHz	70KHz-100KHz	100KHz-120KHz	120KHz-150KHz
R1	50KΩ max	30KΩ max	25KΩ max	20KΩ max	15KΩ max	10KΩ max