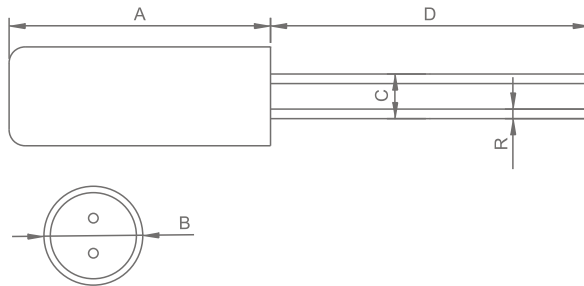


Dimensions(mm)



Choose	Type	A	B	C	D	R	Type Code
<input type="checkbox"/>	TF308	8.2MAX	∅3.1MAX	1.1	10.0MAX	∅0.3	QTDO
<input type="checkbox"/>	TF206	6.2MAX	∅2.1MAX	0.7	10.0MAX	∅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		5pF ~ 30pF		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 00V		
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