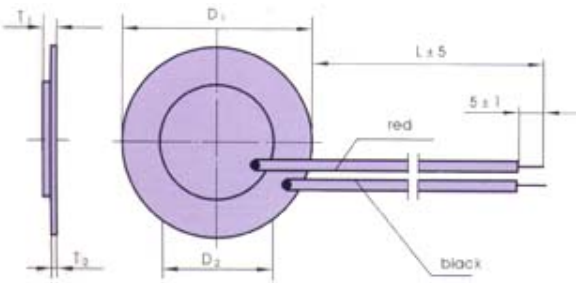
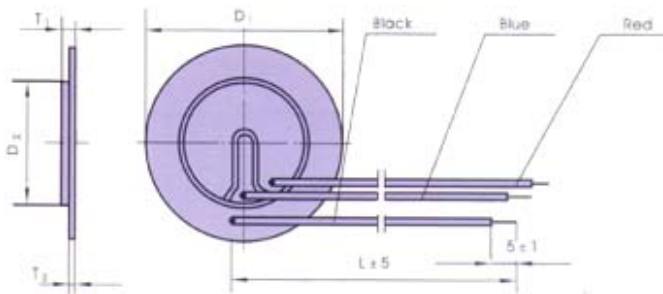


External-driven Piezo Element with Lead Wire



Self-driven Piezo Element with Lead Wire



ELECTRICAL SPECIFICATIONS :

Model No.	FML-12T-9.2A1-L	FML-13.5T-7.7A1-L	FML-15T-7.9A1-L	FML-20T-4.5A1-L	FML-20T-6.0A1-L
Outer diameter (mm)D1	Ø12 ⁰ _{-0.1}	Ø13.5 ⁰ _{-0.1}	Ø15 ⁰ _{-0.1}	Ø20 ⁰ _{-0.1}	Ø20 ⁰ _{-0.1}
Ceramic diameter (mm)D2	Ø8.5 ± 0.1	Ø10 ± 0.1	Ø11 ± 0.2	Ø14.7 ± 0.2	Ø14.7 ± 0.2
Total thickness (mm) T1	0.20 ± 0.04	0.24 ± 0.04	0.30 ± 0.04	0.30 ± 0.04	0.40 ± 0.05
Plate thickness (mm) T2	0.07 ± 0.02	0.10 ± 0.02	0.19 ± 0.02	0.19 ± 0.02	0.23 ± 0.03
Resonant frequency (kHz)	9.2 ± 0.6	7.7 ± 0.5	7.9 ± 0.7	4.5 ± 0.4	6.0 ± 0.5
Resonant Impedance (Ω)	≦500	≦800	≦400	≦500	≦300
Static capacitance (nF ± 30%)	10	10	14	24	15
Wire Standard	UL1571-30AWG			UL1095-28AWG	
Material of metal plate	Brass				

Model No.	FML-27T- 3.9A1-L	FML-31T- 4.0A1-L	FML-34.7T- 2.9B1-L	FML-35T- 3.0A1-L	FML-41T- 1.0A1-L
Outer diameter (mm) D1	Ø27 ⁰ _{-0.1}	Ø31 ⁰ _{-0.1}	Ø34.7 ⁰ _{-0.1}	Ø35 ⁰ _{-0.1}	Ø41 ⁰ _{-0.1}
Ceramic diameter (mm) D2	Ø20 ± 0.2	Ø20 ± 0.20	Ø25 ± 0.25	Ø25 ± 0.25	Ø25 ± 0.25
Total thickness (mm) T1	0.48 ± 0.05	0.24 ± 0.04	0.55 ± 0.05	0.60 ± 0.05	0.25 ± 0.04
Plate thickness (mm) T2	0.23 ± 0.03	0.10 ± 0.02	0.25 ± 0.03	0.38 ± 0.03	0.12 ± 0.02
Resonant frequency (kHz)	3.9 ± 0.3	4.0 ± 0.5	2.9 ± 0.3	3.0 ± 0.4	1.0 ± 0.5
Resonant Impedance(Ω)	≦200	≦300	≦250	≦200	≦1000
Static capacitance (nF ± 30%)	23	45	24	32	66
Wire Standard	UL1095-28AWG	UL1571-30AWG		UL1095-28AWG	
Material of metal plate	Brass				