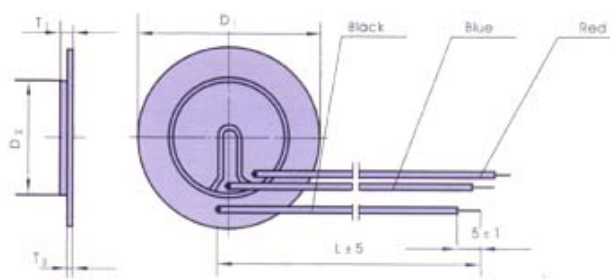


External-driven Piezo Element with Lead Wire



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 _{-0.1}	Ø13.5 _{-0.1}	Ø15 _{-0.1}	Ø20 _{-0.1}	Ø20 _{-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 _{-0.1}	Ø31 _{-0.1}	Ø34.7 _{-0.1}	Ø35 _{-0.1}	Ø41 _{-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				