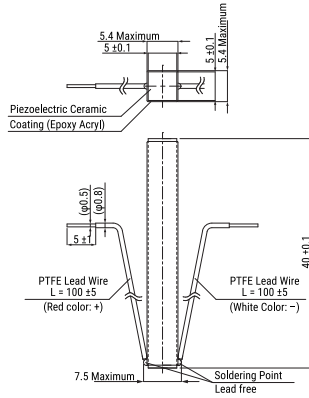


KEMET Part Number: AE0505D44H40DF
(UPAE005054440D)

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KEMET, AE, Piezo Actuators, Multilayer



Dimensions

W	5mm +/-0.1mm
W2	5.4mm MAX
H	40mm +/-0.1mm
T	5mm +/-0.1mm
T2	5.4mm MAX
LL	100mm +/-5mm

Packaging Specifications

Component Weight:	11
Packaging:	Bulk
Packaging Quantity:	10

General Information

Style:	Resin Coated
Description:	Resin Coated Type Multilayer Piezoelectric Actuators
Young's Modulus:	4.4x10 ¹⁰ N/m ²
RoHS:	With Exemptions
SCIP Number:	294b4799-b00c-43e2-a15f-798c927a3ac8
REACH:	SVHC (PZT – CAS 12626-81-2)

Specifications

Series:	AE
Displacement:	42um +/-6.6um
Voltage DC:	150 VDC
Capacitance:	3.4 uF
Capacitance Tolerance:	20%
Resonant Frequency:	34 kHz
Tensile Strength:	85 N
Generated Force:	850 N
Stiffness:	20.2 N/um
Insulation Resistance:	5 MOhms
Temperature Range:	-25/+85°C

Statements of suitability for certain applications are based on our knowledge of typical operating conditions for such applications, but are not intended to constitute - and we specifically disclaim - any warranty concerning suitability for a specific customer application or use. This Information is intended for use only by customers who have the requisite experience and capability to determine the correct products for their application. Any technical advice inferred from this Information or otherwise provided by us with reference to the use of our products is given gratis, and we assume no obligation or liability for the advice given or results obtained.

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