

Polyester Film Capacitors



PEI Series
(Inductive)

MERITEK

PEI are constructed with polyester film dielectric, aluminum foil electrodes, tinned copper leads, and an inductive epoxy resin coating. They are suitable for signal coupling, circuit isolation, bypassing, and filtering and other applications. PEI are ideal for use in televisions, radio, tape recorders, stereo equipment, and other electronic devices

FEATURES

- High moisture resistance
- Good solderability
- Available on tape and reel for automatic insertion
- ESR is minimized



PART NUMBER SYSTEM

PEI 153 J 2A TA -5
(1) (2) (3) (4) (5) (6)

No	Digit	Specification																				
(1)	Meritek Series	Polyester film capacitor																				
(2)	Capacitance	<table border="1"> <thead> <tr> <th>Code</th> <th>102</th> <th>103</th> <th>104</th> <th>105</th> </tr> </thead> <tbody> <tr> <td>(pF)</td> <td>1,000</td> <td>10,000</td> <td>100,000</td> <td></td> </tr> <tr> <td>(nF)</td> <td>1</td> <td>10</td> <td>100</td> <td>1000</td> </tr> <tr> <td>(uF)</td> <td>0.001</td> <td>0.01</td> <td>0.1</td> <td>1</td> </tr> </tbody> </table>	Code	102	103	104	105	(pF)	1,000	10,000	100,000		(nF)	1	10	100	1000	(uF)	0.001	0.01	0.1	1
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(6)	Internal Control Code																					

SPECIFICATION

Item	Value	Condition
Operating Temperature	-40 °C ~+85°C	
Capacitance range	0.001uF~0.47uF	
Capacitance tolerance	±5%(J), ±10%(K), ±20%(M)	
Rated voltage	100, 160, 250, 400, 630, 1000V _{DC}	
Dissipation factor	≤ 1%	1kHz
Isolation resistance	30,000MΩ, min	100V _{DC} , 1min. 20°C

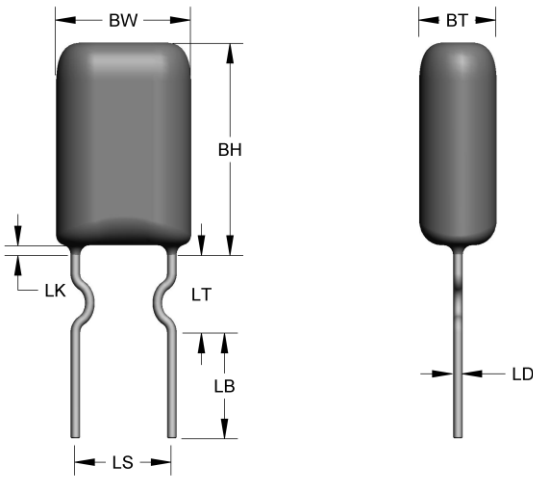
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DIMENSIONS



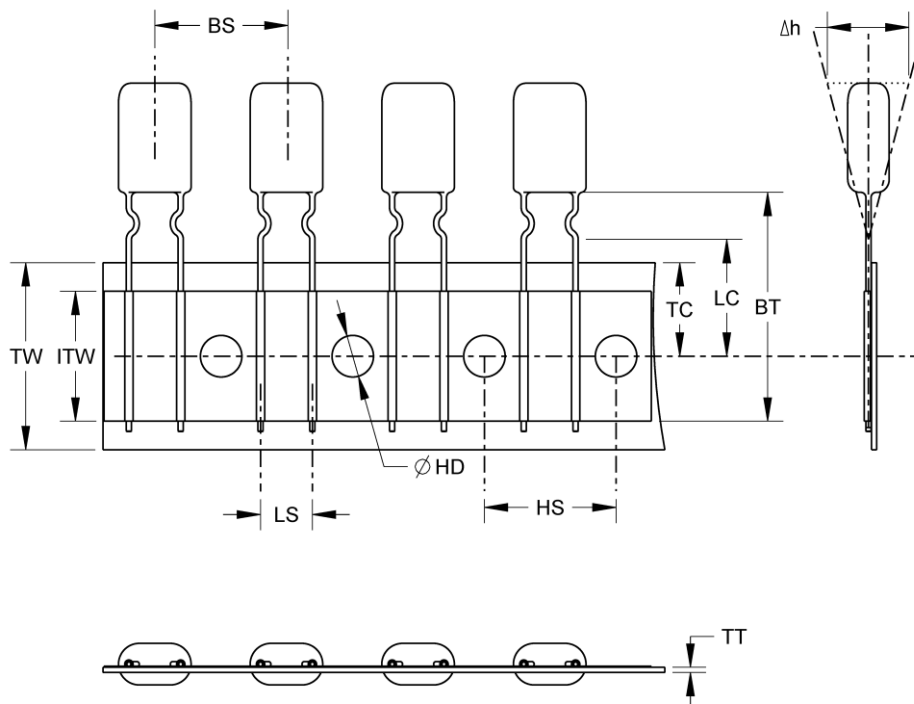
Capacitance	BW, max	BH,max.	BT, max
102	6.5	10.5	3.5
152	6.5	10.5	3.5
222	6.5	10.5	3.5
332	6.5	10.5	3.5
472	6.5	10.5	3.5
562	6.5	10.5	3.5
682	6.5	10.5	3.5
822	6.5	10.5	3.5
103	6.5	10.5	3.5
153	7.0	11.0	4.0
223	7.5	11.5	4.5
333	7.5	11.5	4.5
473	8.5	11.5	4.5
563	9.0	11.5	5.0
683	10.0	11.5	5.0
104	11.0	12.0	5.5
154	11.0	12.0	6.5
224	12.0	12.5	6.5

All dimensions are mms

Rate voltage for all capacitors is 100V

LS=5.0±0.5mm, LD=0.5±0.05mm, LT=3.0mm, LB=7.5mm, LK<1.5mm

PACKAGING



Symbol	Dimension(mm)
BS	12.7±1.0
HS	12.7±0.3
LS	5±0.8
Δh	0±2.0
TW	18.0±0.5
ITW	12.5±0.5
TC	9.0±0.5
BT	20.0±0.75
LC	16.0±0.5
ΦHD	4.0±0.2
TT	0.7±0.2