



# DATASHEET

Number / number

## HVCC153Y6P102KEAX

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**RoHS**  
COMPLIANT

VISHAY ELECTRONIC GMBH  
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**SERIES**

**HVCC**

Part No.: HVCC153Y6P102KEAX  
Materialmaster (Type): HVCC 15KVDC Y6P 1000PF ±10% E A X E3

### ELECTRICAL RATINGS

#### LOW Signal

CAPACITANCE<sub>NOM</sub>: **1000 pF** @ 1 kHz/ 1 Vrms  
 CAPACITANCE<sub>TOL</sub>: **±10**  
 Dissipation Factor (DF): max. **1.5 %** @ 1 kHz/ 1 Vrms  
 Insulation Resistance: min. **200 GΩ** @ 500 V<sub>DC</sub> / 60 s max

Operating Temperature Range: **-30 °C to 105 °C**  
 Temperature Characteristics: **Y6P** acc. EIA RS 198

#### HIGH Signal

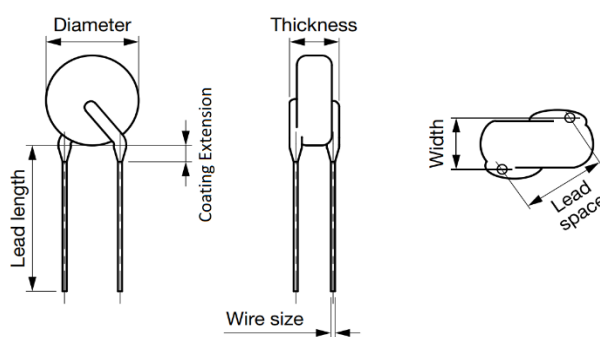
Rated Voltage DC: **15000 V<sub>DC</sub>**  
 Rated Voltage AC: **5303 V<sub>AC</sub>** @ 50 / 60 Hz  
 HV-Test @ Customer: **20250 V<sub>DC</sub>** 60 s

#### NOTES

#1: For reliability tests and handling information please see generic data sheet

### MECHANICAL RATINGS

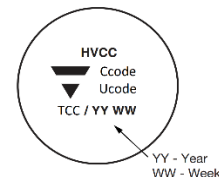
#### DIMENSIONS



	inch	mm
Diameter max.	0.59	15.00
Thickness max.	0.38	9.50
Coat. Ext. max.	0.15	4.00
Width	0.22 ± 0.02	5.50 ± 0.50
Lead space	0.49 ± 0.04	12.50 ± 1.00
Wire size	0.032 ± 0.002	0.800 ± 0.050
Lead length	1.2 ± 0.2	30.0 ± 5.0

#### MARKING

Ccode: 102K      TCC: Y6P  
 Ucode: 15kV      Dcode: YYWW



#### Material & Weight

Ceramic: Barium titanate  
 Electrode: Silver  
 Wire Material: Tinned copper clad steel wire  
 Coat. Material: Epoxy resin, flame ret. UL 94V-0  
 Weight: 4 g  
 Wire form: straight

#### PACKAGING

Packaging type: bulk