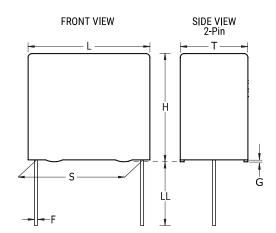


## PHE450PA4220JR05

Aliases (F450AG222J1K0C)

Not for New Design

PHE450/F450, Film, Double Metallized Polypropylene, General Purpose, 2,200 pF, 5%, 1,000 VDC, 85°C, 10 mm



| Click | horo | for | tha | 3D | model. |
|-------|------|-----|-----|----|--------|
| CIICK | nere | 101 | me  | 30 | model. |

| General Information      |  |
|--------------------------|--|
| Series                   | PHE450/F450  |
| Dielectric               | Double Metallized<br>Polypropylene   |
| Style                    | Radial   |
| Features                 | Pulse  |
| RoHS                     | Yes  |
| Termination              | Tinned Wire  |
| Lead                     | Wire Leads   |
| AEC-Q200                 | No   |
| Typical Component Weight | 0.636 g  |
| Miscellaneous            | The Rated Voltage Decreases<br>1.3%/C Between +85C And<br>+105C. Rthha= 142 C/W (85C),<br>0.2 m/s. |
| Notes                    | Series Replaced by R76.  |

| Dimensions               |                  |
|--------------------------|------------------|
| L                        | 13mm -0.5mm      |
| Н                        | 9mm -0.5mm       |
| Т                        | 4mm -0.5mm       |
| S                        | 10mm +0.4/-0.4mm |
| LL                       | 5mm -1mm         |
| F                        | 0.6mm +/-0.05mm  |
| G                        | 0.5mm NOM        |
|                          |                  |
| Packaging Specifications |                  |
| Dadraging                | Pulls Pag        |

| F                        | 0.6mm +/-0.05mm |
|--------------------------|-----------------|
| G                        | 0.5mm NOM       |
|                          |                 |
| Packaging Specifications |                 |
| Packaging                | Bulk, Bag       |
| Packaging Quantity       | 1000            |

| Specifications        |  |
|-----------------------|--|
| Capacitance           | 2,200 pF                                 |
| Tolerance             | 5%                                       |
| Voltage DC            | 1000 VDC (85C), 740 VDC<br>(105C)        |
| Voltage AC            | 375 VAC                                  |
| Temperature Range     | -55/+105°C                               |
| Rated Temperature     | 85°C                                     |
| Dissipation Factor    | 0.03% 1kHz, 0.04% 10kHz, 0.15%<br>100kHz |
| Insulation Resistance | 100 GOhms                                |
| Max dV/dt             | 1,400 V/us                               |
| Inductance            | 6 nH                                     |

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.

Generated 05/12/2025 © 2006 - 2025 YAGEO