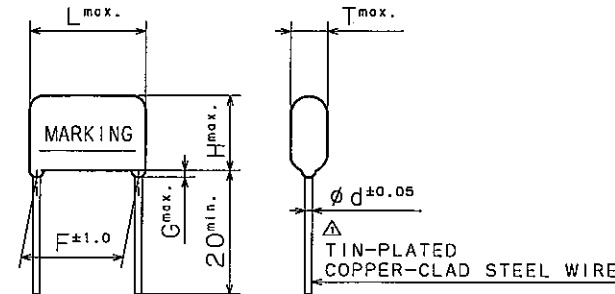


THIRD ANGLE PROJECTION

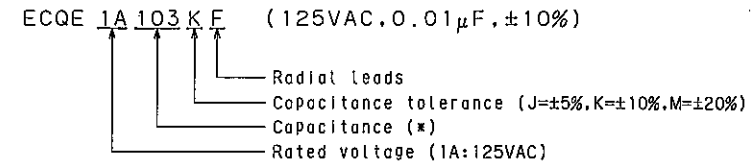
| ITEM CODE     | RATED VOLTAGE | CAP. $\mu$ F ( * ) | DIMENSIONS |     |      |      |     |     |   | MARKING STYLE |
|---------------|---------------|--------------------|------------|-----|------|------|-----|-----|---|---------------|
|               |               |                    | L          | T   | H    | F    | G   | d   |   |               |
| ECQE1A103(J)F | 125VAC        | 0.01 (103)         | 10.5       | 4.5 | 7.5  | 7.5  | 1.0 | 0.6 | 1 |               |
| # 1A123(J)F   | #             | 0.012 (123)        | #          | 4.4 | #    | #    | #   | #   | # |               |
| # 1A153(J)F   | #             | 0.015 (153)        | #          | #   | #    | #    | #   | #   | # |               |
| # 1A183(J)F   | #             | 0.018 (183)        | #          | #   | #    | #    | #   | #   | # |               |
| # 1A223(J)F   | #             | 0.022 (223)        | #          | #   | #    | #    | #   | #   | # |               |
| # 1A273(J)F   | #             | 0.027 (273)        | #          | #   | #    | #    | #   | #   | # |               |
| # 1A333(J)F   | #             | 0.033 (333)        | #          | 4.5 | 7.8  | #    | #   | #   | # |               |
| # 1A393(J)F   | #             | 0.039 (393)        | #          | #   | #    | #    | #   | #   | # |               |
| # 1A473(J)F   | #             | 0.047 (473)        | #          | 5.5 | 8.0  | #    | #   | #   | # |               |
| # 1A563(J)F   | #             | 0.056 (563)        | #          | 5.9 | 8.5  | #    | #   | #   | # |               |
| # 1A683(J)F   | #             | 0.068 (683)        | #          | 6.3 | 9.4  | #    | #   | #   | # |               |
| # 1A823(J)F   | #             | 0.082 (823)        | #          | 6.5 | 9.8  | #    | #   | #   | # |               |
| # 1A104(J)F   | #             | 0.1 (104)          | #          | #   | 11.8 | #    | #   | #   | # |               |
| # 1A124(J)F   | #             | 0.12 (124)         | 12.5       | 5.9 | 11.5 | 10.0 | #   | #   | # |               |
| # 1A154(J)F   | #             | 0.15 (154)         | #          | 6.5 | 12.0 | #    | #   | #   | # |               |
| # 1A184(J)F   | #             | 0.18 (184)         | #          | 7.0 | 12.5 | #    | #   | #   | # |               |
| # 1A224(J)F   | #             | 0.22 (224)         | #          | 7.5 | 13.4 | #    | #   | #   | # |               |
| # 1A274(J)F   | #             | 0.27 (274)         | 18.5       | 6.3 | 12.0 | 15.0 | #   | #   | 2 |               |
| # 1A334(J)F   | #             | 0.33 (334)         | #          | 6.9 | 12.5 | #    | #   | #   | # |               |
| # 1A394(J)F   | #             | 0.39 (394)         | #          | 7.4 | 13.0 | #    | #   | #   | # |               |
| # 1A474(J)F   | #             | 0.47 (474)         | #          | 7.5 | 15.3 | #    | #   | #   | # |               |

TOL. SYMBOL (J or K or M)



| ALTERATION                     |                                |             |
|--------------------------------|--------------------------------|-------------|
| ISSUE                          | DESCRIPTION                    | DATE        |
| △                              | Overall rewriting Modification | Jun.20 2002 |
| △                              | Company name changed           | Oct. 1 2004 |
| △                              | Company name changed           | APR. 1 2005 |
| SPECIFICATIONS No.<br>TEA7069H |                                |             |

ITEM CODE NUMBER STRUCTURE



CONSTRUCTION

The capacitor is of non-inductive construction, wound with metallized polyester film dielectric.  
The capacitor is enclosed in non-combustible epoxy resin and has two leads.

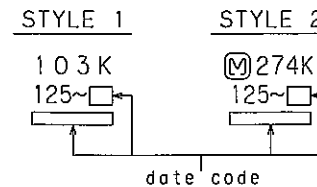
MARKING

Marking comprises capacitance, capacitance tolerance, rated voltage, manufacturer's trademark (STYLE 2 only) and date code.

PROPERTIES

Capacitance : See table at 1kHz  
 Capacitance tolerance :  $\pm$ 5%(J),  $\pm$ 10%(K),  $\pm$ 20%(M) at 1kHz  
 Rated voltage : 125VAC  
 Withstood voltage (terminal-terminal) : 125VAC $\times$ 230% for 60s  
 (terminal-enclosure) : 1500VAC for 60s  
 Insulation resistance :  $\geq$ 2000M $\Omega$  at 500VDC, 20 $^{\circ}$ C for 60s  
 Dissipation factor :  $\leq$ 1.0% at 1kHz, 20 $^{\circ}$ C  
 Category temperature range : From -40 $^{\circ}$ C to +85 $^{\circ}$ C (including temperature rise on unit surface)

MARKING EXAMPLE



Reference

|               |                                     |
|---------------|-------------------------------------|
| DESIGN        | E. Takada                           |
| CHECKED       | M. Nishikori                        |
| APPROVAL      | M. Nagasaka                         |
| ESTABLISHMENT | Nov.22.1988                         |
| TYPE NAME     | ECQE1A***()F                        |
| NAME          | Metallized Polyester Film Capacitor |
| DRAWING NAME  | PRODUCT DRAWING                     |
| DRAWING No.   | CT-H-819E (1/1)                     |

**Panasonic** Electronic Circuit Capacitor Business Unit,  
Panasonic Electronic Devices Co., Ltd.