



$$d_t = 0.8 + 0.08/-0.05 \text{ mm}$$

| Voltage<br>Vdc | Cap.<br>$\mu\text{F}$ | Code<br>PCPW 225<br>..... | C-tol.<br>% | Dimensions<br>b x h x l | P<br>mm        | It<br>mm      |
|----------------|-----------------------|---------------------------|-------------|-------------------------|----------------|---------------|
| 550            | 1.0                   | SA0013                    | $\pm 10$    | 11.0 x 18.5 x 18.0      | 15.0 $\pm$ 0.4 | 5.0 $\pm$ 1.0 |

Same as PCPW 225 .....

<But>

- Automotive(AEC-Q200 qualified)
- PBT (gray) case
- 550V Pitch15.0mm 1.0uF K & LT5.0 $\pm$ 1.0mm
- Dissipation factor (  $\tan \delta, \times 10^{-4}$  );  $\leq 10$  at 1kHz
- Insulation resistance ; RC > 15, 000 s ( at 500V for 1min. )
- Rated voltage pulse load slope(dV/dt)<sub>R</sub> ; 95V/us
- Marking

1u K 550V PILKOR  
225 MKP WK....

Marking on the top or side

- PACKING METHOD ( Arrange – Tray )

| Packing method | Sponge         | SPQ<br>( Tray )         | PQ<br>( Outer box )      |
|----------------|----------------|-------------------------|--------------------------|
| 8242 450 40236 | 8242 456 20011 | 150<br>(8242 451 31031) | 1800<br>(8242 451 30671) |

-Test Requirements

See PCPW 225SA....(sh. 190-1)

| 부서 | 제품개발1팀 | Type Specification                         |                |  | 최초작성일 | 15-12-23 |
|----|--------|--|----------------|--|-------|----------|
| 작성 | 김 세 지  | MKP<br>RADIAL POTTED CAPACITORS<br>(현대자동차) | PCPW 225SA0013 |  | 개정 No | 2        |
| 승인 | 강 문 현  |  |                |  | 190-1 | of page  |

For part lists see PCPW 225

Include :

Delete :

- Cell code :

. 4342 482 S0087(for PCPW 225SA0013)

For manufacturing instruction see PCPW 225..... However :

<But>

- LOA

1) Welding depth ;  $0.5 \pm 0.1$ mm

2) Pull off force  $\geq 1000$ g

3) Liquid epoxy ; 770D ( 1342 431 10224 - Resin : SE-770 UMB D

1342 431 10225 - Hardener : MH-770D )

4) PBT (Gray) case : 4342 433 20131

- R/D

| Cap.<br>[uF] | Tan d ( x 10 <sup>-4</sup> ) |       |        | Cap test limit | R. insul |    | Healing &<br>Test Voltage |
|--------------|------------------------------|-------|--------|----------------|----------|----|---------------------------|
|              | 1kHz                         | 10kHz | 100kHz |                | V        | nA |                           |
| 1.0          | 5                            | 15    | 70     | -9.5%/+ 9.5%   | 500      | 16 | 880V                      |

|       |       |                          |          |   |       |                |    |          |  |
|-------|-------|--------------------------|----------|---|-------|----------------|----|----------|--|
| 박 주 영 |       | MKP                      |          |   |       |                |    | 15-12-23 |  |
| 백 영 섭 |       | RADIAL POTTED CAPACITORS |          |   |       | PCPW 225SA0013 |    |          |  |
|       |       | ( 현대자동차 )                |          |   |       |                |    |          |  |
|       |       |                          | 15-03-26 | 1 | 260-1 | 010            | QS | A4       |  |
| QS    | 강 문 현 | PILKOR ELECTRONICS 2015  |          |   |       |                |    |          |  |