

## Polyvaricons standard type list ポリバリコン標準タイプリスト

### Classification of mounting method (外形取付法による分類)

| AM, FM & Multi | Section |    | Capacitance (pF) |          |        |         | AM       |                  |
|----------------|---------|----|------------------|----------|--------|---------|----------|------------------|
|                | AM      | FM | OSC 82           | 82       | 160    | 335     |          |                  |
|                |         |    | ANT 140          | 160      | 160    | 335     |          |                  |
|                | 2       | 2  | HP-22124         | HP-22125 |        |         | 20 or 40 | Capacitance (pF) |
|                |         |    | HQ-22124         | HQ-22125 |        |         |          |                  |
|                |         |    | FE-22124         | FE-22125 |        | FT-2217 |          |                  |
|                |         |    | SE-22124         | SE-22125 |        | ST-2217 |          |                  |
| AM             | 2       | —  |                  |          | HQ-025 |         | —        |                  |

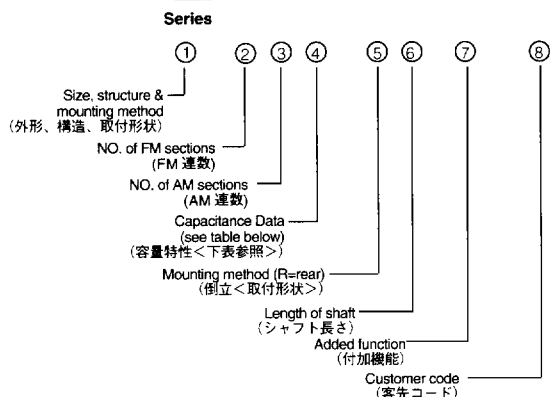
### Standard length of shaft (標準シャフト長さ) (unit: X/Y mm)

| Mount     | 20mm type | 16mm type |
|-----------|-----------|-----------|
| Self rear | FE, ET    | HQ        |
|           | N (4/2)   | H (2/1.5) |
|           | M (6/3)   | S (2.5/2) |
|           | L (10/6)  | K (4/3)   |
| Dip       | SE, ST    | —         |
|           | S (3/3)   | —         |
|           |           |           |

Note: \* 2M shaft is effective for HP type only  
2M シャフトは、HP タイプ専用です。

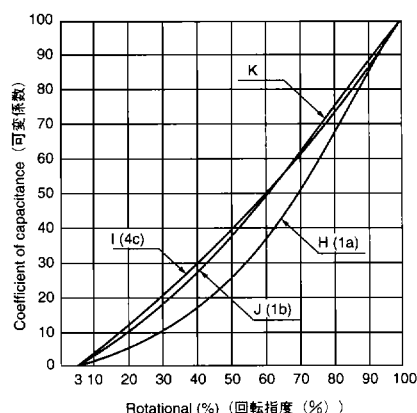
### Product coding (品番のとり方)

**FE- 22124- R NOOO- O**



| ①: Series<br>(シリーズ) | Ext. Dim.<br>(mm)<br>(外形寸法) | Dielectric           |                      | Mounting method   |                         |                       |
|---------------------|-----------------------------|----------------------|----------------------|-------------------|-------------------------|-----------------------|
|                     |                             | Laminated<br>(ラミネート) | Polyfilm<br>(ポリフィルム) | Dipping<br>(ディップ) | Self-supporting<br>(自立) | Rear mounting<br>(倒立) |
| HP                  | 16                          | ●                    |                      |                   | ●                       | -R⑤                   |
| HQ                  | 16                          | ●                    |                      |                   | ●                       | -R⑤                   |
| SE                  | 20                          | ●                    |                      | ●                 |                         |                       |
| FE                  | 20                          | ●                    |                      |                   | ●                       | -R⑤                   |
| ST                  | 20                          |                      | ●                    | ●                 |                         |                       |
| FT                  | 20                          |                      | ●                    |                   | ●                       | -R⑤                   |

### Curves for coefficients of capacitance (可変係数カーブ)



### Capacitance characteristics (容量特性)

| Symbol           | 1  | 2  | 3 | 4   | 5   | 6 | 7   | A  |
|------------------|----|----|---|-----|-----|---|-----|----|
| Capacitance (pF) | 20 | 82 | — | 140 | 160 | — | 335 | 40 |

Note: Typical characteristics are given. When ordering, please confirm.  
(上記は代表的な仕様特性です。ご使用の際は個別仕様書をご請求ください)

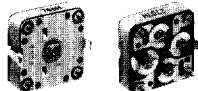
### Angle of rotation vs variable coefficient (回転角度 vs 可変容量係数)

| Symbol | Index % |       |       |       |       |       |       |       |       |       |       |      |
|--------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
|        | 100     | 90    | 80    | 75    | 70    | 60    | 50    | 40    | 30    | 25    | 20    | 10   |
| 1a     | 100.00  | 84.40 | 67.90 | 60.00 | 52.30 | 38.00 | 26.20 | 17.00 | 10.20 | 7.57  | 5.31  | 1.74 |
| 1b     | 100.00  | 90.00 | 78.10 | 71.80 | 65.20 | 51.70 | 38.80 | 27.20 | 17.40 | 13.30 | 9.60  | 3.30 |
| K      | 100.00  | 90.10 | 78.30 | 72.10 | 65.60 | 52.10 | 39.20 | 27.60 | 17.80 | 13.60 | 9.80  | 3.40 |
| 4c     | 100.00  | 86.18 | 73.37 | 67.32 | 61.48 | 50.42 | 40.12 | 30.50 | 21.52 | 17.25 | 13.11 | 5.23 |

Note: EIAJ equivalents, H=1a, I=4c, J=1b

## Polyvaricons: general specifications ポリバリコン一般仕様

## 16mm square polyvaricons (16mm 角)

| Use<br>(用途) | Type No.                                                                                                 | No. of sections<br>(連数) | Capacitance,<br>Max. (pF)<br>(最大可変容量) | Capacitance<br>tolerance<br>(容量許容差)                | Capacitance,<br>Min. (pF)<br>(最小容量)      | Trimmer<br>(pF)<br>(トリマ容量) | Cap. coef.<br>see curves<br>(可度係数) | Torque<br>(N·cm)<br>(回転トルク) | Dimensions,<br>W×L×H, (mm)<br>(外形寸法) |
|-------------|----------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------|----------------------------------------------------|------------------------------------------|----------------------------|------------------------------------|-----------------------------|--------------------------------------|
| AM<br>FM    | HP-22125/HP-22125-R<br> | AM-2<br>FM-2            | OSC 82, ANT 160<br>20 or (40)         | $\pm (2\text{pF}+2\%)$<br>$\pm (1\text{pF})$       | 5.0 $\pm 1$<br>5.5<br>4.7 $\pm 1$<br>5.4 | 8 $\pm 3$                  | K<br>1a<br>4c                      | 0.3 ~ 2.5                   | 16×16×6.2<br>Rear mtg.<br>H: 5.7     |
|             | HP-22124/HP-22124-R<br> | AM-2<br>FM-2            | OSC 82, ANT 140<br>20                 | $\pm (1\text{pF}+2\%)$<br>$\pm (0.5\text{pF}+2\%)$ | 5.0 $\pm 1$<br>5.5<br>4.7 $\pm 1$<br>5.4 | 8 $\pm 3$                  | 1b<br>1a<br>4c                     | 0.3 ~ 2.5                   | 16×16×6.2<br>Rear mtg.<br>H: 5.7     |
|             | HQ-22125/HQ-22125-R<br> | AM-2<br>FM-2            | OSC 82, ANT 160<br>20                 | $\pm (1\text{pF}+2\%)$<br>$\pm (0.5\text{pF}+2\%)$ | 3.6 $\pm 1$<br>3.7<br>2.7 $\pm 1$<br>3.7 | 8 $\pm 3$                  | K<br>1a<br>4c                      | 0.3 ~ 2.5                   | 16.4×16.4×7.4<br>Rear mtg.<br>H: 7.3 |
|             | HQ-22124/HQ-22124-R<br> | AM-2<br>FM-2            | OSC 82, ANT 140<br>20                 | $\pm (1\text{pF}+2\%)$<br>$\pm (0.5\text{pF}+2\%)$ | 3.6 $\pm 1$<br>3.7<br>2.7 $\pm 1$<br>3.7 | 8 $\pm 3$                  | 1b<br>1a<br>4c                     | 0.3 ~ 2.5                   | 16.4×16.4×7.4<br>Rear mtg.<br>H: 7.3 |
|             | HQ-025/HQ-025-R<br>   | AM-2                    | 160                                   | $\pm (1\text{pF}+2\%)$                             | 3.6 $\pm 1$<br>4.0                       | 8 $\pm 3$                  | 1a                                 | 0.3 ~ 2.5                   | 16.4×16.4×7.4<br>Rear mtg.<br>H: 7.3 |

## 20mm square polyvaricons (20mm 角)

| Use<br>(用途)           | Type No.                                                                                                   | No. of sections<br>(連数) | Capacitance,<br>Max. (pF)<br>(最大可変容量) | Capacitance<br>tolerance<br>(容量許容差)          | Capacitance,<br>Min. (pF)<br>(最小容量)        | Trimmer<br>(pF)<br>(トリマ容量) | Cap. coef.<br>see curves<br>(可度係数) | Torque<br>(N·cm)<br>(回転トルク) | Dimensions,<br>W×L×H, (mm)<br>(外形寸法) |
|-----------------------|------------------------------------------------------------------------------------------------------------|-------------------------|---------------------------------------|----------------------------------------------|--------------------------------------------|----------------------------|------------------------------------|-----------------------------|--------------------------------------|
| AM<br>FM              | SE-22125<br>            | AM-2<br>FM-2            | OSC 82, ANT 160<br>20 (40)            | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 4.0 $\pm 1$<br>4.0 $\pm 1$                 | 8 $\pm 3$                  | K<br>1a<br>4c                      | 2 $\pm 1.5$                 | 21×21×20                             |
|                       | SE-22124<br>            | AM-2<br>FM-2            | OSC 82, ANT 140<br>20 (40)            | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 3.8 $\pm 1$<br>3.7 $\pm 1$                 | 8 $\pm 3$                  | 1b<br>1a<br>4c                     | 2 $\pm 1.5$                 | 21×21×20                             |
|                       | FE-22125/FE-22125-R<br> | AM-2<br>FM-2            | OSC 82, ANT 160<br>20 (40)            | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 4.2 $\pm 1$<br>4.0 $\pm 1$                 | 8 $\pm 3$                  | K<br>1a<br>4c                      | 2 $\pm 1.5$                 | 21×21×17<br>Rear mtg.<br>H: 18.5     |
|                       | FE-22124/FE-22124-R<br> | AM-2<br>FM-2            | OSC 82, ANT 140<br>20 (40)            | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 3.8 $\pm 1$<br>3.7 $\pm 1$                 | 8 $\pm 3$                  | 1b<br>1a<br>4c                     | 2 $\pm 1.5$                 | 21×21×17<br>Rear mtg.<br>H: 18.5     |
| AM<br>FM<br>Multiband | FT-2217<br>             | AM-2<br>FM-2            | 335<br>20 (40)                        | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 5.0 $\pm 1.5$<br>4.7<br>4.4 $\pm 1$<br>4.7 | 8 $\pm 3$                  | 1a<br>4c                           | 2 $\pm 1.5$                 | 21×21×23.5                           |
|                       | FT-2217/FT-2217-R<br>   | AM-2<br>FM-2            | 335<br>20 (40)                        | $\pm (1\text{pF}+1\%)$<br>$\pm 0.5\text{pF}$ | 5.0 $\pm 1.5$<br>4.7 $\pm 1$               | 8 $\pm 3$                  | 1a<br>4c                           | 2 $\pm 1.5$                 | 21×21×20.5<br>Rear mtg.<br>H: 22.0   |