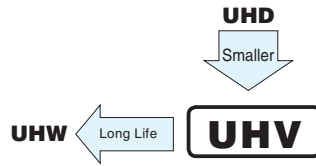
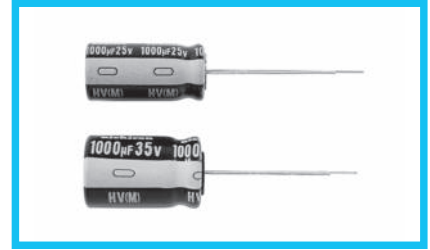


## UHV High Ripple Low Impedance



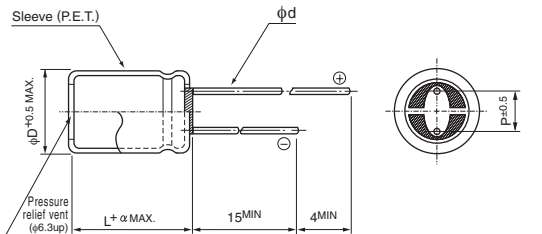
- Lower impedance at high frequency range.
- Smaller case size and high ripple current.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).



### Specifications

| Item  | Performance Characteristics   |                 |      |      |      |      |                    |  |
|---|---|-----------------|------|------|------|------|--------------------|--|
| Category Temperature Range  | -40 to +105°C   |                 |      |      |      |      |                    |  |
| Rated Voltage Range   | 6.3 to 35V  |                 |      |      |      |      |                    |  |
| Rated Capacitance Range   | 47 to 8200µF  |                 |      |      |      |      |                    |  |
| Capacitance Tolerance   | ±20% at 120Hz, 20°C   |                 |      |      |      |      |                    |  |
| Leakage Current   | After 2 minutes' application of rated voltage at 20°C, leakage current is not more than 0.01CV or 3 (µA), whichever is greater.   |                 |      |      |      |      |                    |  |
| Tangent of loss angle (tan δ)   | Rated voltage (V)   | 6.3             | 10   | 16   | 25   | 35   | 120Hz 20°C         |  |
|   | tan δ (MAX.)  | 0.21            | 0.18 | 0.15 | 0.13 | 0.11 |                    |  |
| For capacitance of more than 1000µF, add 0.02 for every increase of 1000µF. |   |                 |      |      |      |      |                    |  |
| Stability at Low Temperature  | Rated voltage (V)   | 6.3             | 10   | 16   | 25   | 35   | 120Hz              |  |
|   | Impedance ratio (MAX.)  | Z-25°C / Z+20°C | 2    | 2    | 2    | 2    |                    | 2  |
|   |   | Z-40°C / Z+20°C | 3    | 3    | 3    | 3    |                    | 3  |
| Endurance   | The specifications listed at right shall be met when the capacitors are restored to 20°C after D.C. bias plus rated ripple current is applied for 6000 hours (5000 hours for φD=5 and 6.3) at 105°C, the peak voltage shall not exceed the rated voltage. |                 |      |      |      |      | Capacitance change | Within ±25% of the initial capacitance value (6.3V 10V : ±30%) |
|   |   |                 |      |      |      |      | tan δ              | 200% or less than the initial specified value                  |
|   |   |                 |      |      |      |      | Leakage current    | Less than or equal to the initial specified value              |
| Marking   | Printed with white color letter on black sleeve.  |                 |      |      |      |      |                    |  |

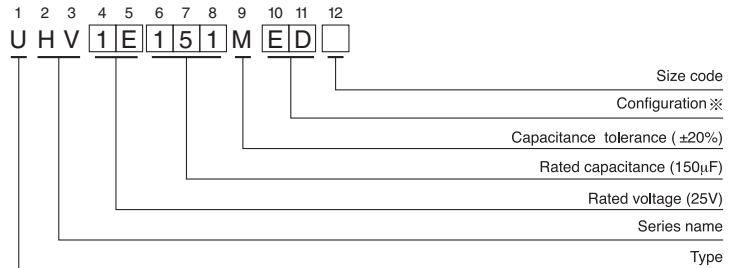
### Radial Lead Type



| α  |          | (mm) |     |     |     |                  |     |
|----|----------|------|-----|-----|-----|------------------|-----|
| α  | (L < 20) | 1.5  |     |     |     |                  |     |
|    | (L ≥ 20) | 2.0  |     |     |     |                  |     |
| φD |          | 5    | 6.3 | 8   | 10  | 12.5             | 16  |
| P  |          | 2.0  | 2.5 | 3.5 | 5.0 | 5.0              | 7.5 |
| φd |          | 0.5  | 0.5 | 0.6 | 0.6 | 0.6 <sup>※</sup> | 0.8 |

※ In case L > 25 for the φ12.5 dia. unit, lead dia. φd = 0.8mm.

### Type numbering system (Example : 25V 150µF)



※ Configuration

| φ D       | Pb-free leadwire<br>Pb-free PET sleeve |
|-----------|--|
| 5         | DD                                     |
| 6.3       | ED                                     |
| 8 · 10    | PD                                     |
| 12.5 · 16 | HD                                     |

- Please refer to the Guidelines for Aluminum Electrolytic Capacitors for end seal configuration information.

### Frequency coefficient of rated ripple current

| Cap. (µF)   | Frequency | 120Hz | 1kHz | 10kHz | 100kHz or more |
|-------------|-----------|-------|------|-------|----------------|
| 47 to 150   |           | 0.40  | 0.75 | 0.90  | 1.00           |
|             |           | 0.50  | 0.85 | 0.94  | 1.00           |
| 220 to 560  |           | 0.60  | 0.87 | 0.95  | 1.00           |
|             |           | 0.75  | 0.90 | 0.95  | 1.00           |
| 680 to 1800 |           | 0.85  | 0.95 | 0.98  | 1.00           |
|             |           | 0.85  | 0.95 | 0.98  | 1.00           |

• Dimension table in next page.

UHV

## ■ Dimensions

| Rated Voltage<br>(V)<br>(code) | Rated Capacitance<br>( $\mu$ F) | Case Size<br>$\phi$ D $\times$ L (mm) | tan $\delta$ | Leakage Current<br>( $\mu$ A)<br>(at 20°C after<br>2 minutes) | Impedance ( $\Omega$ )<br>MAX. |                  | Rated Ripple<br>(mA <sub>rms</sub> )<br>(105°C/100kHz) | Part Number  |
|--------------------------------|---------------------------------|---------------------------------------|--------------|---|--------------------------------|------------------|--|--------------|
|                                |                                 |                                       |              |   | 20°C/<br>100kHz                | -10°C/<br>100kHz |  |              |
| 6.3<br>(0J)                    | 220                             | 5 $\times$ 11                         | 0.21         | 13.86   | 0.23                           | 0.76             | 360  | UHV0J221MDD  |
|                                | 330                             | 6.3 $\times$ 11                       | 0.21         | 20.79   | 0.10                           | 0.33             | 460  | UHV0J331MED  |
|                                | 470                             | 6.3 $\times$ 11                       | 0.21         | 29.61   | 0.10                           | 0.33             | 550  | UHV0J471MED  |
|                                | 680                             | 8 $\times$ 11.5                       | 0.21         | 42.84   | 0.059                          | 0.181            | 900  | UHV0J681MPD  |
|                                | 820                             | 8 $\times$ 11.5                       | 0.21         | 51.66   | 0.059                          | 0.181            | 990  | UHV0J821MPD  |
|                                | 1000                            | 10 $\times$ 12.5                      | 0.21         | 63  | 0.043                          | 0.133            | 1250   | UHV0J102MPD  |
|                                | 1200                            | 10 $\times$ 12.5                      | 0.21         | 75.6  | 0.043                          | 0.133            | 1360   | UHV0J122MPD  |
|                                | 1200                            | 8 $\times$ 15                         | 0.21         | 75.6  | 0.046                          | 0.143            | 1330   | UHV0J122MPD6 |
|                                | 1500                            | 8 $\times$ 20                         | 0.21         | 94.5  | 0.031                          | 0.105            | 1550   | UHV0J152MPD  |
|                                | 1800                            | 10 $\times$ 16                        | 0.21         | 113.4   | 0.030                          | 0.095            | 1815   | UHV0J182MPD  |
|                                | 2200                            | 10 $\times$ 20                        | 0.23         | 138.6   | 0.019                          | 0.057            | 2160   | UHV0J222MPD  |
|                                | 2700                            | 10 $\times$ 25                        | 0.23         | 170.1   | 0.017                          | 0.051            | 2475   | UHV0J272MPD  |
|                                | 3300                            | 12.5 $\times$ 20                      | 0.25         | 207.9   | 0.016                          | 0.041            | 2500   | UHV0J332MHD  |
|                                | 3900                            | 12.5 $\times$ 20                      | 0.25         | 245.7   | 0.016                          | 0.041            | 2725   | UHV0J392MHD  |
|                                | 4700                            | 12.5 $\times$ 25                      | 0.27         | 296.1   | 0.014                          | 0.036            | 3190   | UHV0J472MHD  |
|                                | 5600                            | 12.5 $\times$ 31.5                    | 0.29         | 352.8   | 0.012                          | 0.031            | 3795   | UHV0J562MHD  |
|                                | 6800                            | 12.5 $\times$ 35.5                    | 0.31         | 428.4   | 0.011                          | 0.029            | 3925   | UHV0J682MHD  |
|                                | 6800                            | 16 $\times$ 20                        | 0.31         | 428.4   | 0.014                          | 0.036            | 3575   | UHV0J682MHD6 |
| 8200                           | 16 $\times$ 25                  | 0.35                                  | 516.6        | 0.012   | 0.033                          | 3990             | UHV0J822MHD  |              |
| 10<br>(1A)                     | 150                             | 5 $\times$ 11                         | 0.18         | 15  | 0.23                           | 0.76             | 360  | UHV1A151MDD  |
|                                | 220                             | 6.3 $\times$ 11                       | 0.18         | 22  | 0.10                           | 0.33             | 450  | UHV1A221MED  |
|                                | 330                             | 6.3 $\times$ 11                       | 0.18         | 33  | 0.10                           | 0.33             | 550  | UHV1A331MED  |
|                                | 470                             | 8 $\times$ 11.5                       | 0.18         | 47  | 0.059                          | 0.181            | 820  | UHV1A471MPD  |
|                                | 680                             | 8 $\times$ 11.5                       | 0.18         | 68  | 0.059                          | 0.181            | 990  | UHV1A681MPD  |
|                                | 820                             | 10 $\times$ 12.5                      | 0.18         | 82  | 0.043                          | 0.133            | 1250   | UHV1A821MPD  |
|                                | 1000                            | 10 $\times$ 12.5                      | 0.18         | 100   | 0.043                          | 0.133            | 1360   | UHV1A102MPD  |
|                                | 1000                            | 8 $\times$ 15                         | 0.18         | 100   | 0.046                          | 0.143            | 1330   | UHV1A102MPD6 |
|                                | 1200                            | 10 $\times$ 16                        | 0.18         | 120   | 0.030                          | 0.095            | 1650   | UHV1A122MPD  |
|                                | 1500                            | 10 $\times$ 16                        | 0.18         | 150   | 0.030                          | 0.095            | 1815   | UHV1A152MPD  |
|                                | 1500                            | 8 $\times$ 20                         | 0.18         | 150   | 0.031                          | 0.105            | 1550   | UHV1A152MPD6 |
|                                | 1800                            | 10 $\times$ 20                        | 0.18         | 180   | 0.019                          | 0.057            | 2160   | UHV1A182MPD  |
|                                | 2200                            | 10 $\times$ 25                        | 0.2          | 220   | 0.017                          | 0.051            | 2475   | UHV1A222MPD  |
|                                | 2700                            | 12.5 $\times$ 20                      | 0.2          | 270   | 0.016                          | 0.041            | 2475   | UHV1A272MHD  |
|                                | 3300                            | 12.5 $\times$ 20                      | 0.22         | 330   | 0.016                          | 0.041            | 2725   | UHV1A332MHD  |
|                                | 3900                            | 12.5 $\times$ 25                      | 0.22         | 390   | 0.014                          | 0.036            | 3190   | UHV1A392MHD  |
|                                | 4700                            | 12.5 $\times$ 31.5                    | 0.24         | 470   | 0.012                          | 0.031            | 3795   | UHV1A472MHD  |
|                                | 4700                            | 16 $\times$ 20                        | 0.24         | 470   | 0.014                          | 0.036            | 3575   | UHV1A472MHD6 |
|                                | 5600                            | 12.5 $\times$ 35.5                    | 0.26         | 560   | 0.011                          | 0.029            | 3975   | UHV1A562MHD  |
|                                | 6800                            | 16 $\times$ 25                        | 0.28         | 680   | 0.012                          | 0.033            | 3990   | UHV1A682MHD  |

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).  
If there is no size code in the part number, please add size code "1" and then add the appropriate code.

UHV

## ■ Dimensions

| Rated Voltage<br>(V)<br>(code) | Rated Capacitance<br>( $\mu$ F) | Case Size<br>$\phi$ D $\times$ L (mm) | tan $\delta$ | Leakage Current<br>( $\mu$ A)<br>(at 20°C after<br>2 minutes) | Impedance ( $\Omega$ )<br>MAX. |                  | Rated Ripple<br>(mArms)<br>(105°C/100kHz) | Part Number  |
|--------------------------------|---------------------------------|---------------------------------------|--------------|---|--------------------------------|------------------|---|--------------|
|                                |                                 |                                       |              |   | 20°C/<br>100kHz                | -10°C/<br>100kHz |   |              |
| 16<br>(1C)                     | 100                             | 5 $\times$ 11                         | 0.15         | 16  | 0.23                           | 0.76             | 360                                       | UHV1C101MDD  |
|                                | 150                             | 6.3 $\times$ 11                       | 0.15         | 24  | 0.10                           | 0.33             | 450                                       | UHV1C151MED  |
|                                | 220                             | 6.3 $\times$ 11                       | 0.15         | 35.2  | 0.10                           | 0.33             | 550                                       | UHV1C221MED  |
|                                | 330                             | 8 $\times$ 11.5                       | 0.15         | 52.8  | 0.059                          | 0.181            | 830                                       | UHV1C331MPD  |
|                                | 470                             | 8 $\times$ 11.5                       | 0.15         | 75.2  | 0.059                          | 0.181            | 990                                       | UHV1C471MPD  |
|                                | 680                             | 10 $\times$ 12.5                      | 0.15         | 108.8   | 0.043                          | 0.133            | 1360                                      | UHV1C681MPD  |
|                                | 680                             | 8 $\times$ 15                         | 0.15         | 108.8   | 0.046                          | 0.143            | 1330                                      | UHV1C681MPD6 |
|                                | 820                             | 10 $\times$ 16                        | 0.15         | 131.2   | 0.030                          | 0.095            | 1650                                      | UHV1C821MPD  |
|                                | 1000                            | 10 $\times$ 16                        | 0.15         | 160   | 0.030                          | 0.095            | 1815                                      | UHV1C102MPD  |
|                                | 1000                            | 8 $\times$ 20                         | 0.15         | 160   | 0.031                          | 0.105            | 1550                                      | UHV1C102MPD6 |
|                                | 1200                            | 10 $\times$ 20                        | 0.15         | 192   | 0.019                          | 0.057            | 1930                                      | UHV1C122MPD  |
|                                | 1500                            | 10 $\times$ 20                        | 0.15         | 240   | 0.019                          | 0.057            | 2160                                      | UHV1C152MPD  |
|                                | 1800                            | 10 $\times$ 25                        | 0.15         | 288   | 0.017                          | 0.051            | 2475                                      | UHV1C182MPD  |
|                                | 2200                            | 12.5 $\times$ 20                      | 0.17         | 352   | 0.016                          | 0.041            | 2725                                      | UHV1C222MHD  |
|                                | 2700                            | 12.5 $\times$ 25                      | 0.17         | 432   | 0.014                          | 0.036            | 3190                                      | UHV1C272MHD  |
|                                | 3300                            | 12.5 $\times$ 31.5                    | 0.19         | 528   | 0.012                          | 0.031            | 3795                                      | UHV1C332MHD  |
|                                | 3300                            | 16 $\times$ 20                        | 0.19         | 528   | 0.014                          | 0.036            | 3575                                      | UHV1C332MHD6 |
|                                | 3900                            | 12.5 $\times$ 35.5                    | 0.19         | 624   | 0.011                          | 0.029            | 3925                                      | UHV1C392MHD  |
| 4700                           | 16 $\times$ 25                  | 0.21                                  | 752          | 0.012   | 0.033                          | 3990             | UHV1C472MHD                               |              |
| 25<br>(1E)                     | 68                              | 5 $\times$ 11                         | 0.13         | 17  | 0.23                           | 0.76             | 360                                       | UHV1E680MDD  |
|                                | 100                             | 6.3 $\times$ 11                       | 0.13         | 25  | 0.10                           | 0.33             | 450                                       | UHV1E101MED  |
|                                | 150                             | 6.3 $\times$ 11                       | 0.13         | 37.5  | 0.10                           | 0.33             | 550                                       | UHV1E151MED  |
|                                | 220                             | 8 $\times$ 11.5                       | 0.13         | 55  | 0.059                          | 0.181            | 810                                       | UHV1E221MPD  |
|                                | 270                             | 8 $\times$ 11.5                       | 0.13         | 67.5  | 0.059                          | 0.181            | 900                                       | UHV1E271MPD  |
|                                | 330                             | 8 $\times$ 11.5                       | 0.13         | 82.5  | 0.059                          | 0.181            | 990                                       | UHV1E331MPD  |
|                                | 390                             | 8 $\times$ 15                         | 0.13         | 97.5  | 0.046                          | 0.143            | 1330                                      | UHV1E391MPD  |
|                                | 470                             | 10 $\times$ 12.5                      | 0.13         | 117.5   | 0.043                          | 0.133            | 1360                                      | UHV1E471MPD  |
|                                | 560                             | 8 $\times$ 20                         | 0.13         | 140   | 0.031                          | 0.105            | 1550                                      | UHV1E561MPD  |
|                                | 680                             | 10 $\times$ 16                        | 0.13         | 170   | 0.030                          | 0.095            | 1815                                      | UHV1E681MPD  |
|                                | 820                             | 10 $\times$ 20                        | 0.13         | 205   | 0.019                          | 0.057            | 2160                                      | UHV1E821MPD  |
|                                | 1000                            | 10 $\times$ 25                        | 0.13         | 250   | 0.017                          | 0.051            | 2475                                      | UHV1E102MPD  |
|                                | 1200                            | 12.5 $\times$ 20                      | 0.13         | 300   | 0.016                          | 0.041            | 2475                                      | UHV1E122MHD  |
|                                | 1500                            | 12.5 $\times$ 20                      | 0.13         | 375   | 0.016                          | 0.041            | 2725                                      | UHV1E152MHD  |
|                                | 1800                            | 12.5 $\times$ 25                      | 0.13         | 450   | 0.014                          | 0.036            | 3190                                      | UHV1E182MHD  |
|                                | 2200                            | 12.5 $\times$ 31.5                    | 0.15         | 550   | 0.012                          | 0.031            | 3795                                      | UHV1E222MHD  |
|                                | 2200                            | 16 $\times$ 20                        | 0.15         | 550   | 0.014                          | 0.036            | 3575                                      | UHV1E222MHD6 |
|                                | 2700                            | 12.5 $\times$ 35.5                    | 0.15         | 675   | 0.011                          | 0.029            | 3925                                      | UHV1E272MHD  |
| 3300                           | 16 $\times$ 25                  | 0.17                                  | 825          | 0.012   | 0.033                          | 3990             | UHV1E332MHD                               |              |

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).  
If there is no size code in the part number, please add size code "1" and then add the appropriate code.

## UHV

## ■ Dimensions

| Rated Voltage<br>(V)<br>(code) | Rated Capacitance<br>( $\mu$ F) | Case Size<br>$\phi$ D $\times$ L (mm) | tan $\delta$ | Leakage Current<br>( $\mu$ A)<br>(at 20°C after<br>2 minutes) | Impedance ( $\Omega$ )<br>MAX. |                  | Rated Ripple<br>(mA rms)<br>(105°C/100kHz) | Part Number  |
|--------------------------------|---------------------------------|---------------------------------------|--------------|---|--------------------------------|------------------|--|--------------|
|                                |                                 |                                       |              |   | 20°C/<br>100kHz                | -10°C/<br>100kHz |  |              |
| 35<br>(1V)                     | 47                              | 5 $\times$ 11                         | 0.11         | 16.45   | 0.23                           | 0.76             | 360  | UHV1V470MDD  |
|                                | 68                              | 6.3 $\times$ 11                       | 0.11         | 23.8  | 0.10                           | 0.33             | 450  | UHV1V680MED  |
|                                | 100                             | 6.3 $\times$ 11                       | 0.11         | 35  | 0.10                           | 0.33             | 550  | UHV1V101MED  |
|                                | 150                             | 8 $\times$ 11.5                       | 0.11         | 52.5  | 0.059                          | 0.181            | 820  | UHV1V151MPD  |
|                                | 220                             | 8 $\times$ 11.5                       | 0.11         | 77  | 0.059                          | 0.181            | 990  | UHV1V221MPD  |
|                                | 270                             | 8 $\times$ 15                         | 0.11         | 94.5  | 0.046                          | 0.143            | 1330                                       | UHV1V271MPD  |
|                                | 330                             | 10 $\times$ 12.5                      | 0.11         | 115.5   | 0.043                          | 0.133            | 1360                                       | UHV1V331MPD  |
|                                | 390                             | 8 $\times$ 20                         | 0.11         | 136.5   | 0.031                          | 0.105            | 1550                                       | UHV1V391MPD  |
|                                | 470                             | 10 $\times$ 16                        | 0.11         | 164.5   | 0.030                          | 0.095            | 1815                                       | UHV1V471MPD  |
|                                | 560                             | 10 $\times$ 20                        | 0.11         | 196   | 0.019                          | 0.057            | 2160                                       | UHV1V561MPD  |
|                                | 680                             | 10 $\times$ 25                        | 0.11         | 238   | 0.017                          | 0.051            | 2475                                       | UHV1V681MPD  |
|                                | 820                             | 12.5 $\times$ 20                      | 0.11         | 287   | 0.016                          | 0.041            | 2725                                       | UHV1V821MHD  |
|                                | 1000                            | 12.5 $\times$ 20                      | 0.11         | 350   | 0.016                          | 0.041            | 2920                                       | UHV1V102MHD  |
|                                | 1200                            | 12.5 $\times$ 25                      | 0.11         | 420   | 0.014                          | 0.041            | 3190                                       | UHV1V122MHD  |
|                                | 1500                            | 12.5 $\times$ 31.5                    | 0.11         | 525   | 0.012                          | 0.031            | 3795                                       | UHV1V152MHD  |
|                                | 1500                            | 16 $\times$ 20                        | 0.11         | 525   | 0.014                          | 0.036            | 3575                                       | UHV1V152MHD6 |
|                                | 1800                            | 12.5 $\times$ 35.5                    | 0.11         | 630   | 0.011                          | 0.029            | 3925                                       | UHV1V182MHD  |
| 2200                           | 16 $\times$ 25                  | 0.13                                  | 770          | 0.012   | 0.033                          | 3990             | UHV1V222MHD                                |              |

For cut leads, formed leads or taped parts, please add the appropriate code after the size code (12th digit).  
If there is no size code in the part number, please add size code "1" and then add the appropriate code.

- For formed lead or taped product specifications and minimum order quantity, please refer to the Guidelines for Aluminum Electrolytic Capacitors.

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

## Nichicon:

[UHV0J152MPD](#) [UHV0J182MPD](#) [UHV0J221MDD](#) [UHV0J822MHD](#) [UHV1A102MPD](#) [UHV1A122MPD](#)  
[UHV0J102MPD](#) [UHV0J122MPD](#) [UHV0J392MHD](#) [UHV0J471MED](#) [UHV0J472MHD](#) [UHV0J562MHD](#) [UHV0J222MPD](#)  
[UHV0J272MPD](#) [UHV0J331MED](#) [UHV0J332MHD](#) [UHV1A151MDD](#) [UHV1A152MPD](#) [UHV1A182MPD](#)  
[UHV1A562MHD](#) [UHV1A681MPD](#) [UHV1A682MHD](#) [UHV1C392MHD](#) [UHV1C471MPD](#) [UHV1C472MHD](#)  
[UHV1E272MHD](#) [UHV1E331MPD](#) [UHV1E332MHD](#) [UHV1V182MHD](#) [UHV1V221MPD](#) [UHV1V222MHD](#)  
[UHV1V271MPD](#) [UHV0J681MPD](#) [UHV0J682MHD](#) [UHV0J821MPD](#) [UHV1A332MHD](#) [UHV1A392MHD](#)  
[UHV1A471MPD](#) [UHV1A472MHD](#) [UHV1C222MHD](#) [UHV1C272MHD](#) [UHV1C331MPD](#) [UHV1C332MHD](#)  
[UHV1E182MHD](#) [UHV1E221MPD](#) [UHV1E222MHD](#) [UHV1E271MPD](#) [UHV1A221MED](#) [UHV1A222MPD](#)  
[UHV1A272MHD](#) [UHV1A331MED](#) [UHV1C151MED](#) [UHV1C152MPD](#) [UHV1C182MPD](#) [UHV1C221MED](#)  
[UHV1E102MPD](#) [UHV1E102MPD1CC](#) [UHV1E122MHD](#) [UHV1E151MED](#) [UHV1E152MHD](#) [UHV1E681MPD](#)  
[UHV1E821MPD](#) [UHV1V101MED](#) [UHV1V102MHD](#) [UHV1A821MPD](#) [UHV1C101MDD](#) [UHV1C102MPD](#)  
[UHV1C122MPD](#) [UHV1C681MPD](#) [UHV1C821MPD](#) [UHV1E101MED](#) [UHV1E391MPD](#) [UHV1E471MPD](#)  
[UHV1E561MPD](#) [UHV1E680MDD](#) [UHV1V331MPD](#) [UHV1V391MPD](#) [UHV1V470MDD](#) [UHV1V471MPD](#)  
[UHV1V122MHD](#) [UHV1V151MPD](#) [UHV1V152MHD](#) [UHV1V561MPD](#) [UHV1V680MED](#) [UHV1V681MPD](#)  
[UHV1V821MHD](#) [UHV1A102MPD6](#) [UHV0J122MPD6](#) [UHV1C681MPD6](#) [UHV1C102MPD6](#) [UHV1E471MPD1TD](#)  
[UHV1V221MPD1TD](#) [UHV1C102MPD1TD](#) [UHV1V471MPD1TD](#) [UHV1V101MED1TD](#) [UHV1V561MPD1TD](#)  
[UHV1V391MPD1TD](#) [UHV1C102MPD6TD](#) [UHV1A331MED1TD](#) [UHV1V102MHD1TO](#)