

## Specification Examples

Below you will find comparative examples for all 4-series:

### Example 1: Rated Voltage 450V, Lifetime 3.000hrs, Capacitance 330 $\mu$ F, Diameter 25mm

Series	Size	Rated Ripple Current (120Hz, 105°C)	RUBYCON Part Number
MXK	D25x45mm	1,85A.r.m.s	400MXK330MEFCSN25x45
MXT (new)	D25x <b>35mm</b>	1,49A.r.m.s	400MXT330MEFCSN25x35
HXH (new)	D25x45mm	<b>2,56A.r.m.s</b>	400HXH330MSPASN25x45

### Example 2: Rated Voltage 450V, Lifetime 5.000hrs, Size 35x45mm

Series	Capacitance	Rated Ripple Current (120Hz, 105°C)	RUBYCON Part Number
VXK	820 $\mu$ F	2,37A.r.m.s	450VXK820MEFCSN35x45
VXT (new)	<b>1.000 <math>\mu</math> F</b>	<b>2,51A.r.m.s</b>	450VXT1000MEFCSN35x45
HXH (new)	680 $\mu$ F	<b>2,63A.r.m.s</b>	450HXH680MSPASN35x45
HXK (new)	820 $\mu$ F	<b>2,75A.r.m.s</b>	450HXK820MSPASN35x45

### Example 3: Rated Voltage 450V, Lifetime 5.000hrs, Capacitance 470 $\mu$ F, Diameter 30mm

Series	Size	Rated Ripple Current (120Hz, 105°C)	RUBYCON Part Number
VXK	D35x35mm	1,84A.r.m.s	450VXK470MEFCSN35x35
VXT (new)	D35x <b>30mm</b>	1,64A.r.m.s	450VXT470MEFCSN35x30
HXH (new)	D35x35mm	<b>2,09A.r.m.s</b>	450HXH470MEFCSN35x35

**Key Features:**

MXT series (105°C 3.000hrs)	
Category Temperature Range:	-25~+105°C (-40~105°C discussable)
Rated Voltage:	400V, 420V and 450V
Capacitance:	150~1.500μF
Rated Ripple Current:	0,92~3,03A.r.m.s/120Hz,105°C
Size:	D22x25mm ~ D35x60mm

VXT series (105°C 5.000hrs)	
Category Temperature Range:	-25~+105°C (-40~105°C discussable)
Rated Voltage:	400V, 420V and 450V
Capacitance:	150~1.200μF
Rated Ripple Current:	0,89~2,88A.r.m.s/120Hz,105°C
Size:	D22x25mm ~ D35x55mm

HXH series (105°C 5.000hrs)	
Category Temperature Range:	-40~+105°C
Rated Voltage:	400V, 420V and 450V
Capacitance:	82~1.000μF
Rated Ripple Current:	1,07~4,75A.r.m.s/120Hz,105°C for 3.000hr lifetime 0,75~3,36A.r.m.s/120Hz,105°C for 5.000hr lifetime
Size (Dimension x Height)	D20x25mm ~ D35x60mm

HXH series (105°C 5.000hrs)	
Category Temperature Range:	-40~+105°C
Rated Voltage:	400V, 420V and 450V
Capacitance:	82~1.000μF
Rated Ripple Current:	1,07~4,76A.r.m.s/120Hz,105°C for 3.000hr lifetime 0,75~3,37A.r.m.s/120Hz,105°C for 5.000hr lifetime
Size (Dimension x Height)	D20x25mm ~ D35x60mm

All series are available for samples and mass production.  
For further information please contact Yasunobu Ikuno.