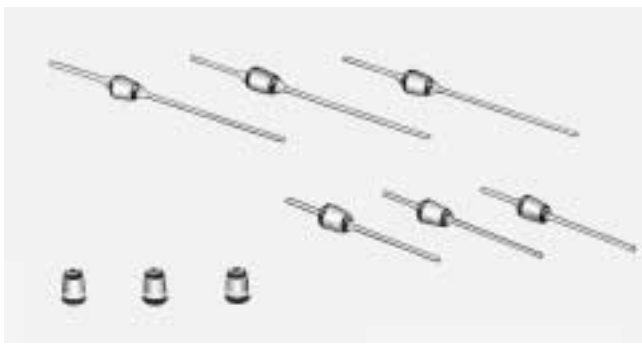


EMI LEADED FILTERS FEED-THRU CAPACITORS SUBMINIATURE

All products listed on this page have been de-emphasized and should not be used for new designs.



DF220, DF221(H), DF430, TF240(H) & DF331(H) Series



Since the input and output terminals of these feed-thru capacitors are isolated and the inductance on the grounded side is very small, they can be used effectively to very high frequencies.

These devices are suitable for suppression of radiation from TV tuners, car radios, car stereos and transmission devices and provide enhanced protection from external noise sources.

These subminiature feed-thrus, which may be incorporated in 2.54mm pitch connectors, are ideal for miniature electronic equipment.

FEATURES

- The use of barrier layer capacitors has resulted in smaller size and larger capacity than possible with conventional capacitors.
- The nickel alloy electrode is resistant to soldering heat and is free from migration in high humidity environments.
- Compact electronic devices can be achieved by incorporating this capacitor with a 2.54mm pitch packaging density – such as installation in connectors.
- Simple construction allows mass production assembly techniques.

DIMENSIONS: mm

<p>DF430</p> <p>Mounting Hole: $3.2 \pm 0.1 D$</p>	<p>DF220-00</p> <p>Mounting Hole: $2.15 \pm .04$</p>																		
<p>DF221(H)-□□□</p> <p>Mounting Hole: $2.15 \pm .04 D$</p>	<table border="1"> <thead> <tr> <th rowspan="2">Part Number</th> <th colspan="2">Lead</th> </tr> <tr> <th>L₁</th> <th>L₂</th> </tr> </thead> <tbody> <tr> <td>DF221(H)-601</td> <td>10.0 ± 1.0</td> <td>20.0 ± 1.0</td> </tr> <tr> <td>DF221(H)-602</td> <td>20.0 ± 1.0</td> <td>20.0 ± 1.0</td> </tr> </tbody> </table>	Part Number	Lead		L ₁	L ₂	DF221(H)-601	10.0 ± 1.0	20.0 ± 1.0	DF221(H)-602	20.0 ± 1.0	20.0 ± 1.0							
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<p>TF240(H)-□□□</p> <p>Mounting Hole: $2.2 \pm 0.08 D$</p>	<table border="1"> <thead> <tr> <th rowspan="2">Part Number</th> <th colspan="2">Lead</th> </tr> <tr> <th>L₁</th> <th>L₂</th> </tr> </thead> <tbody> <tr> <td>TF240(H)-601</td> <td>10.0 ± 1.0</td> <td>20.0 ± 2.0</td> </tr> <tr> <td>TF240(H)-602</td> <td>5.0 ± 1.0</td> <td>12.0 ± 1.0</td> </tr> <tr> <td>TF240(H)-603</td> <td>5.0 ± 1.0</td> <td>7.0 ± 1.0</td> </tr> </tbody> </table>	Part Number	Lead		L ₁	L ₂	TF240(H)-601	10.0 ± 1.0	20.0 ± 2.0	TF240(H)-602	5.0 ± 1.0	12.0 ± 1.0	TF240(H)-603	5.0 ± 1.0	7.0 ± 1.0				
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SPECIFICATIONS

Part Number*	Cap. Value	Cap. Tol.	WVDC	Insertion Loss at 25°C (Typ.)		
				10MHz	100MHz	1GHz
DF220						
*DF220-00SL020U50	2pF	+0, -100%	50V	—	—	—
*DF220-00SL150M50	15pF	±20%	50V	—	—	6
*DF220-00SL220M50	22pF	±20%	50V	—	—	7
*DF220-00YN430M50	43pF	±20%	50V	—	1	15
*DF220-00B121M50	120pF	±20%	50V	—	3	20
*DF220-00B221M50	220pF	±20%	50V	—	7	25
*DF220-00B471M50	470pF	±20%	50V	—	12	30
*DF220-00E102Z50	1000pF	+80, -20%	50V	3	18	35
*DF220-00SS152GMV50	1500pF	+200, -0%	50V	5	20	40
DF221(H)						
DF221-□□□SL020U50	2pF	+0, -100%	50V	—	—	—
DF221-□□□SL150M50	15pF	±20%	50V	—	—	6
DF221-□□□SL220M50	22pF	±20%	50V	—	—	7
DF221-□□□YN430M50	43pF	±20%	50V	—	1	15
DF221-□□□B121M50	120pF	±20%	50V	—	3	20
DF221-□□□B221M50	220pF	±20%	50V	—	7	25
DF221-□□□B471M50	470pF	±20%	50V	—	12	30
DF221(H)-□□□E(F)102Z50	1000pF	+80, -20%	50V	3	18	35
DF221-□□□SS152GMV50	1500pF	+200, -0%	50V	5	20	40
DF430						
*DF430-0SS332GMV50	3300pF	+200, -0%	50V	10	25	45
TF240(H)						
TF240-□□□SL020D50	2pF	±0.5pF	50V	—	—	—
TF240-□□□SL220M50	22pF	±20%	50V	—	—	7
TF240-□□□B331M50	330pF	±20%	50V	—	10	27
TF240(H)-□□□E(F)102GMV50	1000pF	+200, -0%	50V	3	18	35
TF240-□□□SS332Z50	3300pF	+80, -20%	50V	10	25	45
DF331(H)						
DF331-□□□SL010P50	1pF	+100, -0%	50V	—	—	—
DF331-□□□SL100G50	10pF	±2pF	50V	—	—	—
DF331-□□□SL220M50	22pF	±20%	50V	—	—	7
DF331-□□□SL330M50	33pF	±20%	50V	—	—	12
DF331-□□□YN470M50	47pF	±20%	50V	—	—	15
DF331-□□□YN101M50	100pF	±20%	50V	—	2	19
DF331(H)-□□□E(F)102GMV50	1000pF	+200, -0%	50V	3	18	35
DF331-□□□SS332GMV50	3300pF	+200, -0%	50V	10	25	45

• Operating Temp. Range: Std. = -25°C to +85°C, H = -55°C to +125°C • Insulation Resistance: 1000M Ohms min. *□□□ — See DIMENSIONS
For other capacitance values, consult your local Murata Electronics Sales Office.

*Available as standard through authorized Murata Electronics Distributors.