

## **3-terminal feed thorough filters part number description**

# Part Number Structure Details – 3-terminal feed through filters



TDK full part number includes an internal coding structure to denote particular attributes used in our factories. TDK is now including these internal codes (full part number as part of the ordering code).

For signal line

**■ PART NUMBER IDENTIFICATION**

YFF | 21 | SC | 1E | 473 | M | T | □□ | 0 | N

Series name	LxW dimensions		Product internal code		Rated voltage		Capacitance		Tolerance	Taping	TDK internal code	Reel size		Internal electrode Ni
	Code	mm			Code	V	Code	pF				Code	mm	
	15	1.0x0.5	SC	Signal line	1C	16	220	22	M	±20%		0	ø178	
	18	1.6x0.8			1E	25	101	100				9	ø330	
	21	2.0x1.2			1H	50	221	220						
							473	47,000 (47nF)						

For power line

**■ PART NUMBER CONSTRUCTION**

YFF | 15 | PC | 0G | 435 | M | T | □□ | 0 | N

Series name	L x W dimensions		Product internal code		Rated voltage		Capacitance		Tolerance	Taping	TDK internal code	Reel size		Internal electrode Ni
	Code	mm			Code	V	Code	pF				Code	mm	
	15	1.0x0.5	PC	STD	0G	4	104	100,000	M	±20%		0	ø178	
	18	1.6x0.8	PH	Thickness 0.8mm	0J	6.3	105	1,000,000 (1.0µF)				9	ø330	
	21	2.0x1.2	PW	Low ESL	1A	10		4,300,000 (4.3µF)						
	31	3.2x1.6			1C	16		22,000,000 (22µF)						
					1E	25								

For large current power line

**■ PART NUMBER IDENTIFICATION**

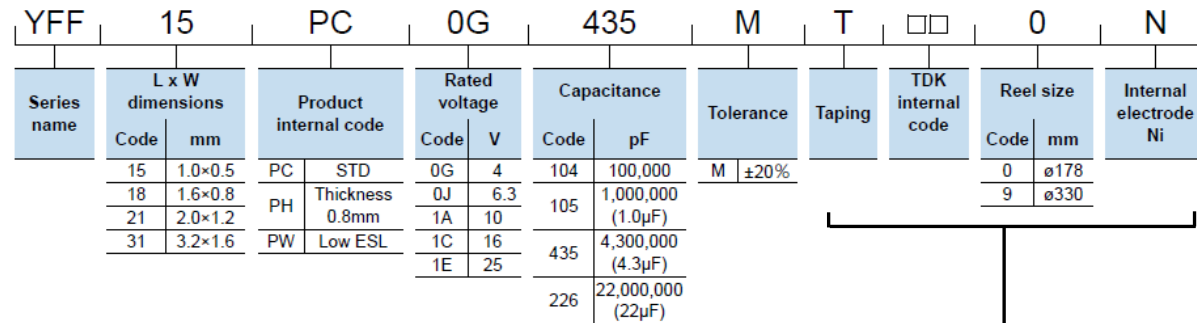
YFF | 31 | HC | 2A | 105 | M | T | □□ | 0 | N

Series name	LxW dimensions		Product internal code		Rated voltage		Capacitance		Tolerance	Taping	TDK internal code	Reel size		Internal electrode Ni
	Code	mm			Code	V	Code	pF				Code	mm	
	31	3.2x1.6	HC	Large current	1H	50	103	10,000	M	±20%		0	ø178	
					2A	100	153	15,000				9	ø330	
							105	1,000,000 (1.0µF)						

# Ending Code Significance

## TDK Part number structure

### ■ PART NUMBER CONSTRUCTION



Applicable Series	Internal Code	Internal Code description
YFF15SC, YFF15PC, YFF18PH, YFF21SC, YFF21PC YFF31PC, YFF31HC	T000N	Standard code for 3-terminal filters T=0.3, 0.45, 0.5, 0.8, 0.85, 1.3 mm Reel size φ178mm
YFF15SC, YFF15PC, YFF18PH, YFF21SC, YFF21PC YFF31PC, YFF31HC	T009N	Standard code for 3-terminal filters T=0.3, 0.45, 0.5, 0.8, 0.85, 1.3 mm Reel size φ330mm
YFF18SC, YFF18PC, YFF18PW	T0H0N	Special thickness product for 3-terminal filters T=0.6mm Reel size φ178mm
YFF18SC, YFF18PC, YFF18PW	T0H9N	Special thickness product for 3-terminal filters T=0.6mm Reel size φ330mm T=Product thickness

Currently, TDK ordering codes for 3-terminal feed trough filters were used in a short format. TDK is now including these internal codes (full part numbers as part of the ordering code ). This update has no impact on the product form, fit and performance.

Current Part Number (Short format without internal codes)

Example : YFF15SC473M

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New/Updated Part Number format (with internal codes)

Example : YFF15SC473MT000N

Example parts before and after update

Short Part number	Full Part Number
YFF15SC1E103M	YFF15SC1E103MT000N
YFF15PC0G435M	YFF15PC0G435MT000N
YFF18SC1H103M	YFF18SC1H103MT0H0N
YFF18PC0J475M	YFF18PC0J475MT0H0N
YFF18PH0J225M	YFF18PH0J225MT000N
YFF18PW0J475M	YFF18PW0J475MT0H0N
YFF21SC1H473M	YFF21SC1H473MT000N
YFF21PC0J226M	YFF21PC0J226MT000N
YFF31PC0J226M	YFF31PC0J226MT000N
YFF31HC2A105M	YFF31HC2A105MT000N

