

FC Series

up to 100 Arms (13.56 MHz)

Designed for medium-power applications

Features

- High-current copper electrode
- Robust internal construction



FC Series Product Types

SCF-□□□□□CA

Fixed Vacuum Capacitors

IK-□

①: Peak test voltage (kV)	②: Capacitance (x100pF)	③: Symbol (Series)	④: Mounting kit (Options)
		C Flat mounting surface CA With centering structure	IK-0 IK-2

Optional

● Mounting kit

Screws and washer sets commonly used in installation

Applicable models	FC52, FC62	FC52A
Mounting kit		

Type

Type	Part Number	Capacitance (pF) ^{※3}	Voltage (kVp) ^{※1}		Current (Arms)			Mounting Dimensions (mm)	Weight (kg)	Options (Mounting kit)
			RF Working	Peak Test	13.56MHz	40MHz	60MHz			
FC52	SCF-150.5C ^{※2}	50	9	15	27	79	89	L48 × φ52.4	~0.4	IK-0
	SCF-151C ^{※2}	100	9	15	54	99	89			
	SCF-151.5C ^{※2}	150	9	15	81	99	89			
	SCF-152C ^{※2}	200	9	15	108	99	89			
FC52A	SCF-150.5CA ^{※2}	50	9	15	27	61	55	L52 × φ52.4	~0.4	IK-2
	SCF-150.8CA ^{※2}	80	9	15	43	61	55			
	SCF-150.9CA ^{※2}	90	9	15	48	61	55			
	SCF-151CA ^{※2}	100	9	15	54	61	55			
	SCF-151.2CA ^{※2}	120	9	15	65	61	55			
	SCF-151.5CA ^{※2}	150	9	15	80	61	55			
	SCF-151.8CA ^{※2}	180	9	15	80	61	55			
	SCF-152.1CA ^{※2}	210	9	15	80	61	55			
FC62	SCF-200.1C ^{※2}	9	12	20	6	19	28	L50 × φ62.4	~0.6	IK-0
	SCF-200.5C ^{※2}	50	12	20	36	76	68			
	SCF-200.75C ^{※2}	75	12	20	54	76	68			
	SCF-201C ^{※2}	100	12	20	72	76	68			
	SCF-201.5C ^{※4}	150	12	20	100	76	68			

※1: The unit of "Voltage (kVp)" is "0-peak" not "peak-peak".
 ※2: Max current values assume base sink/convection cooling.
 ※3: Capacitance tolerance: below 50 pF : ±10 %, above 50 pF : ±5 %
 ※4: Water cooling adds 50W thermal capacity.

TC Series

High voltage and High frequency tolerance

Features

- Fine-tuning Option (Trimmer Capacitors)
The capacitance can be adjusted by few picofarads
- Can be adjusting after installation



Optional

● Mounting kit

Screws and washer sets commonly used in installation

Applicable models	TC48
Mounting kit	

Type

Type	Part Number	Capacitance (pF)		Voltage (kVp) ^{※1}		Current (Arms)			Mounting Dimensions (mm)			Weight (kg)	Options (Mounting kit)
		Min.	Max	RF Working	Peak Test	13.56MHz	40MHz	60MHz	Total Length	Mounting Length	Diameter		
TC48	SCT-300.2H48C ^{※4}	8	20	18	30	21	63	78	72	62	48	~0.5	IK-9
	SCT-300.3H48C ^{※4}	25	35	18	30	37	86	78					
	SCT-210.4H48C ^{※4}	35	45	12.6	21	34	86	78					

※1: The unit of "Voltage (kVp)" is "0-peak" not "peak-peak".
 ※4: Water cooling adds 50W thermal capacity.