

Metallized Polypropylene Film Capacitor

Type : **ECWFD**

Non-inductive construction using metallized Polypropylene film with flame retardant epoxy resin coating.

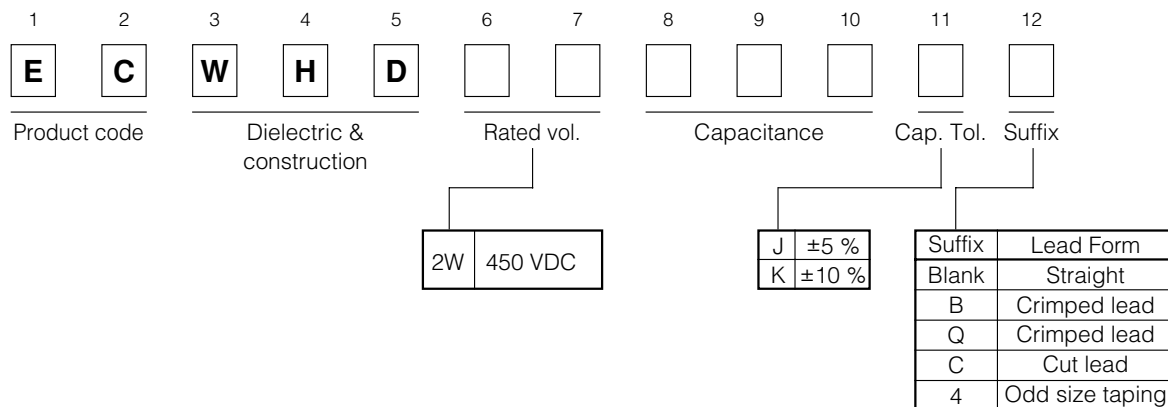
■Features

- Small size
- Excellent frequency characteristics
- Low loss
- Flame-retardant epoxy resin coating
- Low Hum Sound Noise
- RoHS directive compliant

■Recommended Applications

- Active filter circuits
- High frequency and high current circuits

■Explanation of Part Numbers



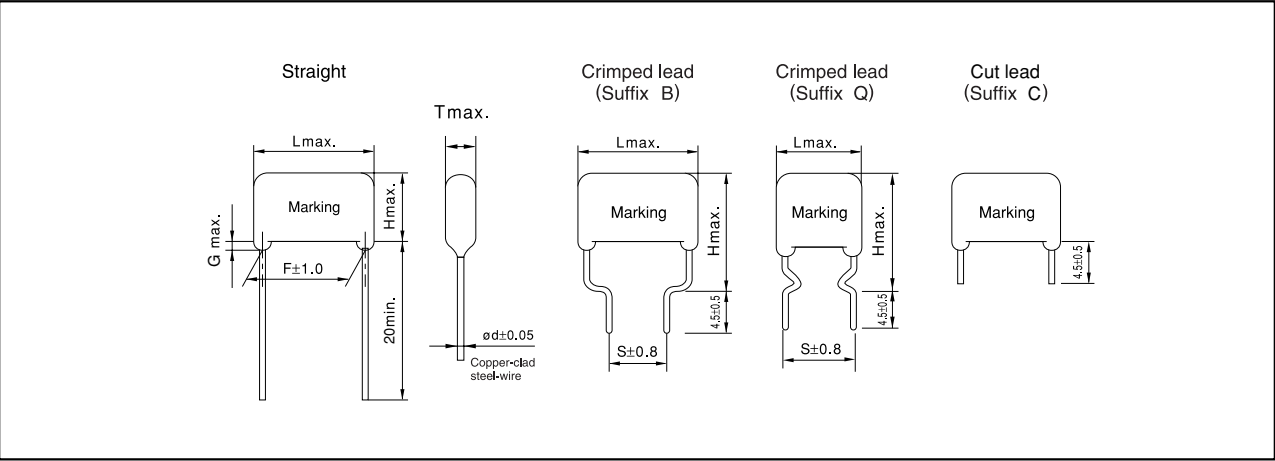
■Specifications

Category temp. range (Including temperature-rise on unit surface)	-40 °C to +110 °C
Rated voltage	450 VDC (Derating of rated voltage by 0.62%/°C at more than 85°C Peak to peak voltage applied on the capacitor should be less than 240Vp-p, and zero to peak voltage should be less than 450V.
Capacitance range	0.1 μF to 6.8 μF
Capacitance tolerance	±5 % (J), ±10 % (K)
Withstand voltage	Between terminals: Rated voltage (VDC) × 150 % 60 s
Dissipation factor (tan δ)	tan δ ≤ 0.1 % (20 °C, 1 kHz)
Insulation resistance (IR)	IR ≥ 10,000 MΩ · μF (20 °C, 100 VDC, 60 s)

* In case of applying voltage in alternating current (50 Hz or 60 Hz sine wave) to a capacitor with DC rated voltage, please refer to the page of "Permissible voltage (R.M.S) in alternating current corresponding to DC rated voltage".

■Dimensions in mm (not to scale)

(Dimensions : mm)

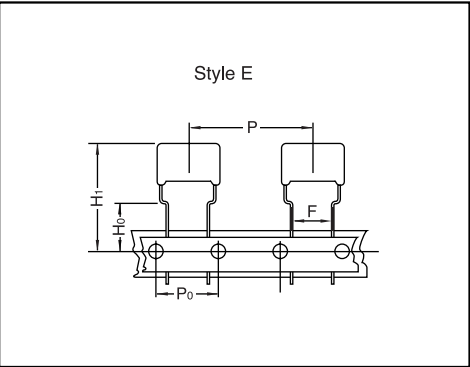


■Packaging Specification for Bulk Package

Packing quantity: 100 pcs./bag

■Taping Specifications for Automatic Insertion

●Taping style



*Refer to the page of taping specifications.

●Packaging Specifications

Type	Rated voltage.	Cap. range (μF)	Taping style						Packing	suffix
			AD	AS	B	C	D	E		
ECWFD	450 VDC	0.47 to 2.2						○	Ammo	4


●Lead Spacing

Style	Lead Spacing
E	7.5 mm

■ Rating, Dimensions & Quantity/Ammo Box

● Type ECWFD Rated voltage : 450 VDC

Part No.	Cap. (μ F)	Dimensions (mm)										Min. order Qty	
		L _{max}	T _{max}	H _{max}			F	S		G _{max}	ϕ d	Taping 7.5mm	Bulk
				Straight	Crimped lead (Suffix B)	Crimped lead (Suffix Q)		Crimped lead (Suffix B)	Crimped lead (Suffix Q)				
ECWFD2W474□()	0.47	17.5	5.8	9.0	14.0	16.0	15.0	7.5	10.0	1.5	0.8	500	1000
ECWFD2W564□()	0.56	17.5	6.2	9.4	14.4	16.4	15.0	7.5	15.0	1.5	0.8		
ECWFD2W684□()	0.68	17.5	6.7	9.9	14.9	16.9	15.0	7.5	15.0	1.5	0.8		
ECWFD2W824□()	0.82	17.5	7.2	10.4	15.4	17.4	15.0	7.5	15.0	1.5	0.8	400	
ECWFD2W105□()	1.00	17.5	7.8	11.0	16.0	18.0	15.0	7.5	15.0	1.5	0.8		
ECWFD2W125□()	1.20	17.5	8.5	11.6	16.6	18.6	15.0	7.5	15.0	1.5	0.8		
ECWFD2W155□()	1.50	17.5	9.3	12.5	17.5	19.5	15.0	7.5	15.0	1.5	0.8	300	
ECWFD2W185□()	1.80	17.5	10.1	13.3	18.3	20.3	15.0	7.5	15.0	1.5	0.8		
ECWFD2W225□()	2.20	17.5	11.1	14.3	19.3	21.3	15.0	7.5	15.0	1.5	0.8	200	


 Suffix for lead crimped
 Capacitance tolerance code