

ERS_WUX

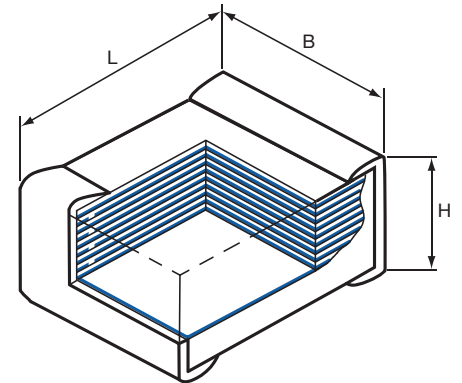
- Metallized polyethylene naphthalate (PEN) stacked film SMD

TYPICAL APPLICATIONS

General purpose coupling, bypass, filtering, timing, time constant.

CONSTRUCTION

Metallized polyethylene naphthalate (PEN) non-encapsulated stacked film capacitor.



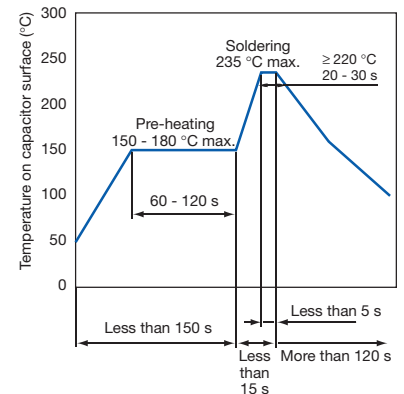
TECHNICAL DATA

Rated voltage U_R VDC	100
	U_R VAC
Capacitance range, μF	0.001 - 0.01
Capacitance tolerance	$\pm 5\%$
Rated temperature	+105°C
Category temperature range	-55 to +105°C
Test voltage	$1.75 \times U_R$, 60 s, between terminals
Insulation resistance	$C \leq 0.33 \mu\text{F} \geq 3000 \text{ M}\Omega$ Measured at 20 °C, 100 VDC, 60 s
Dissipation factor	$\leq 1.0 \%$ at 20 °C, 1 kHz

RECOMMENDED SOLDERING CONDITIONS

Reflow soldering

The recommended soldering conditions are given in the figure to the right. Two consecutive soldering steps are allowed when the capacitors are cooled down to room temperature between the steps. Maximum limits are 240 °C max. and 60 seconds max. at more than 220 °C; temperature at capacitor surface.



Recommended reflow soldering profile

ORDERING INFORMATION

See article table and page 10 for article code construction.

ARTICLE TABLE

Capacitance μF	Size code	Dimensions in mm			Quantity per package		Max dU/dt V/ μs	Article code
		B	H	L	Bulk	Reel		
0.0010	1206	1.6	1.1	3.2	3000	1000	ERS1206WUX102J1005	
0.0012	1206	1.6	1.1	3.2	3000	920	ERS1206WUX122J1005	
0.0015	1206	1.6	1.1	3.2	3000	830	ERS1206WUX152J1005	
0.0018	1206	1.6	1.1	3.2	3000	760	ERS1206WUX182J1005	
0.0022	1206	1.6	1.1	3.2	3000	690	ERS1206WUX222J1005	
0.0027	1206	1.6	1.1	3.2	3000	630	ERS1206WUX272J1005	
0.0033	1206	1.6	1.5	3.2	2000	570	ERS1206WUX332J1005	
0.0039	1206	1.6	1.5	3.2	2000	530	ERS1206WUX392J1005	
0.0047	1206	1.6	1.5	3.2	2000	480	ERS1206WUX472J1005	
0.0056	1210	2.5	1.5	3.2	2000	450	ERS1210WUX562J1005	
0.0068	1210	2.5	1.5	3.2	2000	410	ERS1210WUX682J1005	
0.0082	1210	2.5	2.1	3.2	2000	370	ERS1210WUX822J1005	
0.010	1210	2.5	2.1	3.2	2000	340	ERS1210WUX103J1005	