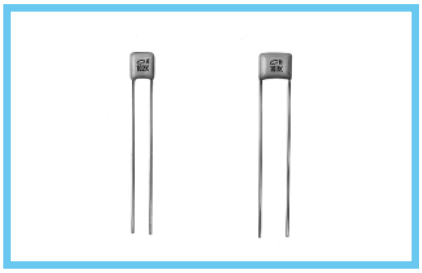
nichicon

YS.YP

Foil Type Polyester Film Capacitor

series (Low Profile Super Miniature Type, Coating with Clear-yellow Resin)

Smaller

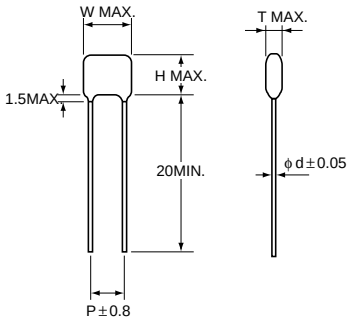


- Adapted to the RoHS directive (2002/95/EC).
- YS—Extremely small in dimensions both of height and body width, and light in weight compared with YX series.
  Superior performance in high density assemblies, reducing total thickness of electronic devices.
  Applicable to automatic insertion machine.
- YP—Unified 5mm lead spacing for all ratings, low-profile size.
  Optimum for high density assemblies on PC board, due to 5mm straight lead spacing.
  Applicable to automatic insertion machine.

Specifications

Item	Performance Characteristics
Category Temperature Range	–40 to +85˚C
Rated Voltage	50VDC
Rated Capacitance Range	0.001 to 0.47μF
Capacitance Tolerance	±5% (J), ±10% (K)
Dielectric Loss Tangent	0.8% or less (at 1kHz 20˚C)
Insulation Resistance	30,000 MΩ or more
Withstand Voltage	Between Terminals : Rated Voltage × 250%, 1 to 5 secs. Between Terminals and Coverage : Rated Voltage × 200%, 1 to 5 secs.
Encapsulation	Epoxy resin

Drawing



Type numbering system (Example : 50V 0.047μF)

1	2	3	4	5	6	7	8	9	10	11
Q	Y	S	1	H	4	7	3	K	T	P

- Configuration (TP : Polyester film, Tinned CP wire)
- Capacitance tolerance (±5% : J ±10% : K)
- Rated Capacitance (0.047μF)
- Rated voltage (50V)
- Series name
- Type

Dimensions

Unit : mm

Series		YS					YP				
V (Code)		50VDC (1H)					50VDC (1H)				
Cap.(μF) \ Code / Size		T	W	H	d	P	T	W	H	d	P
0.001	102	3.0	5.0	5.5	0.5	3.5	3.0	6.5	5.5	0.5	5.0
0.0015	152	3.0	5.0	5.5	0.5	3.5	3.0	6.5	5.5	0.5	5.0
0.0022	222	3.0	5.5	5.5	0.5	3.5	3.0	6.5	5.5	0.5	5.0
0.0033	332	3.0	5.5	5.5	0.5	3.5	3.0	6.5	5.5	0.5	5.0
0.0047	472	3.0	6.0	5.5	0.5	3.5	3.0	6.5	5.5	0.5	5.0
0.0068	682	3.0	6.0	5.5	0.5	3.5	3.5	6.5	5.5	0.5	5.0
0.01	103	3.5	6.5	5.5	0.5	3.5	3.5	6.5	5.5	0.5	5.0
0.015	153	3.5	6.5	5.5	0.5	3.5	3.5	7.0	5.5	0.5	5.0
0.022	223	4.0	7.0	5.5	0.5	3.5	4.0	7.5	5.5	0.5	5.0
0.033	333	5.0	7.5	6.0	0.5	3.5	5.0	8.0	6.0	0.5	5.0
0.047	473	5.5	8.5	6.0	0.5	5.0	5.5	8.5	6.0	0.5	5.0
0.068	683	5.5	8.5	7.0	0.5	5.0	5.5	8.5	7.0	0.5	5.0
0.1	104	6.5	9.5	7.5	0.5	5.0	6.5	9.5	7.5	0.5	5.0
0.15	154	6.0	9.5	10.0	0.5	5.0					
0.22	224	6.5	10.5	11.0	0.5	7.5					
0.33	334	7.0	11.0	13.0	0.6	7.5					
0.47	474	8.5	12.5	13.0	0.6	7.5					