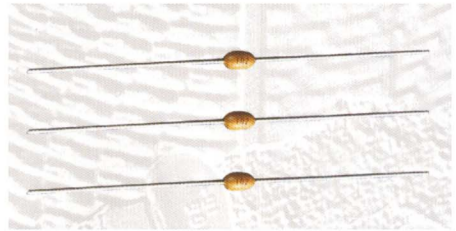


Features

- Wide capacitance
- Industry standard sizes
- Tape and Reel available of auto-placement



General Specifications

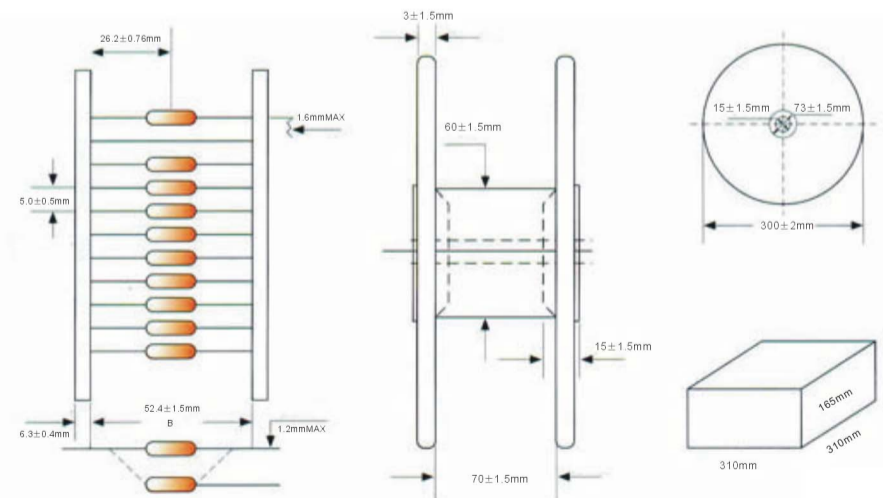
	CC42 (NPO)	CT42 (X7R)	CT42 (Y5V Z5U)
Capacitance Range	O R5 to 472	331 to 224	103 to 125
Temperature Coefficient	0±30PPm/°C 0±60PPm/°C (-55 to +125)	±15% (-55°C to 125°C)	+30%~-80% (-25°C to +85°C) +22%~-56% (+10°C to +85°C)
Insulation Resistance	C≤10nF R≥10000MΩ C≤10nF C.R≥100S	C≤25nF R≥4000MΩ C>25nF C.R≥100S	
With Standing Voltage	2.5 × WVDC		
Dissipation Factor	0.15%max (20°C, 1MHZ, 1VDC)	2.5%max (20°C, 1KHZ, 1VDC)	5.0%max (20°C, 1KHZ, 0.3VDC)
Rated Voltage	25, 50, 63, 100VDC		25, 50, 63VDC
Capacitance Tolerance	B=±0.1PF C=±0.25PF D=±0.5PF F=±1PF G=±2% J=±5% K=±10% M=±20%	K=±10PF M=±20% S= +50% -20%	M=±20% S= +50% -20% Z= +80% -20%
Life Test(1000hours)	200%rated voltage at +125°C 1000h		150%rated voltage at +85°C 1000h
Solderability	SJ/T10211-91 4.11	SJ/T10211-91 4.11	
Resistance to Soldering Heat	SJ/T10211-91 4.10	SJ/T10211-91 4.10	
Mechanical Test	SJ/T10211-91 4.9	SJ/T10211-91 4.9	
Temperature Cycling	SJ/T10211-91 4.12	SJ/T10211-91 4.12	
Moisture Resistance	SJ/T10211-91 4.14	SJ/T10211-91 4.14	
Termination adhesion strength	SJ/T10211-91 4.9	SJ/T10211-91 4.9	
Environment Testing	SJ/T10211-91 4.13	SJ/T10211-91 4.13	

Size code capacitance and voltage

Size	Dimensions: (mm)					Voltage	Capacitance(pF)			
	Lmax	Dmax	A±1.5	F±0.6	d±0.5		COG(NPO)	X7R	Y5V(Z5U)	
17	4.30	2.50	62	5.08	10.00	0.45	25V	OR5-332	331-104	103-105
							50V	OR5-222	331-473	103-684
							100V	OR5-102	331-223	
20	5.10	3.00	63	7.50	10.00	0.45	25V	OR5-472	102-224	103-125
							50V	OR5-392	102-104	103-105
							100V	OR5-152	102-683	

Packaging Style

- Tape and Reel



- Packaging Quantity

Size	Tape and Reel	Ammo Package	Bulk Package
17	5000	5000	1000.500
20	2500	2500	500

