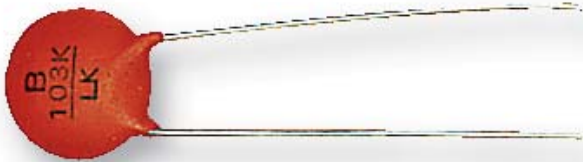


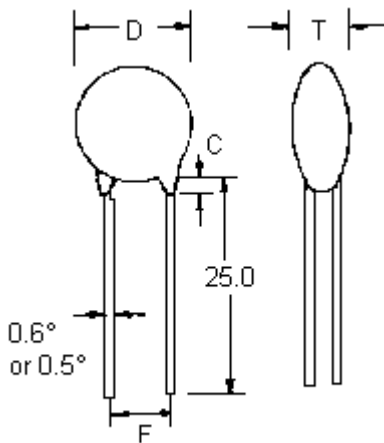
MCFY Series

Ceramic Disc Capacitors



Features:

- Large capacitance in small size.
- Low loss at wide range of frequency.
- Cost saving by placing film capacitors.
- Capacitance has linear temperature coefficient.
- Stable capacitance change over specified temperature range.



C:50V = 1.5

Dimensions : Millimetres

Specifications:

Capacitance Range	6800pF to 220000pF.
Capacitance Tolerance	+80% to -20%.
Operating Temperature Range	-25°C to 85°C.
Rated Working Voltage	50V.
Dissipation Factor (tan θ): Y5V (50V)	$\tan \theta \leq 5\%$.
Insulation Resistance (IR) at 25°C	1000 M Ω Minimum or 20 M Ω / μ F.
Dielectric Strength	2 times the rated WVDC.
Testing Parameters	1KHz $\pm 20\%$, 0.1 V _{rms} Maximum

Capacitance Chart:

Temperature Characteristics	Part Diameter	Rated Voltage (V)	Capacitance		Maximum Dimension		
			Range (pF)	Tolerance	D	T	F
MCFY (Y5V)+22% to -82%	5	U (50)	22,000 ~ 39,000	Z	5.2	2.0	5.00
	6		47,000 ~ 1,00,000		6.2		

Dimensions : Millimetres

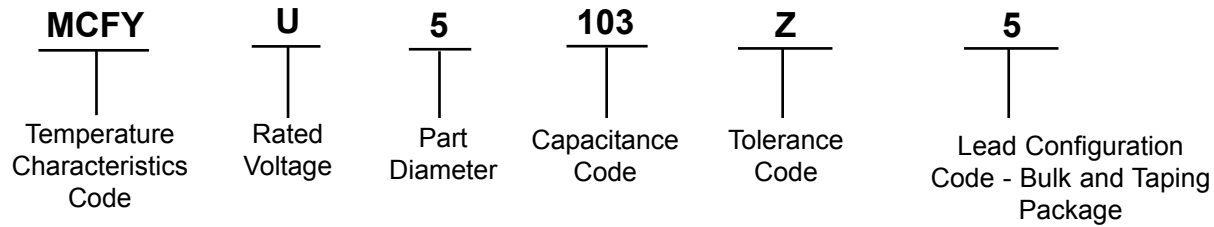


MCFY Series

Ceramic Disc Capacitors



Part Number Explanation:



Temperature Characteristics Code:

	MCFY
T.C. (PPM/°C) or Capacitance Change (%)	+22% to -82%

Rated Voltage:

	U
Voltage	50V

Part Diameter:

Code	Diameter (mm)
5	5
6	6

Capacitance Code:

Code	Capacitance (NF)
103	10
223	22
473	47
104	100

Tolerance Code:

Code	Tolerance
Z	+80% to -20%

Lead Configuration Code - Bulk and Taping Package:

Bulk Lead Code	Taping Lead Code	Configuration and Dimension			
		Kinked/Straight	Lead Space (F)	Minimum Lead Length (L)	Remarks
5	-	Straight	2.5	25	-
6	G or L	Straight	5.0	25	G = Ammo, L = Reel

Dimensions : Millimetres



MCFY Series

Ceramic Disc Capacitors



Part Number Table:

Description	Part Number
Capacitor, 10NF 50V	MCFYU5103Z5
Capacitor, 22NF 50V	MCFYU5223Z6
Capacitor, 47NF 50V	MCFYU6473Z6
Capacitor, 100NF 50V	MCFYU6104Z6