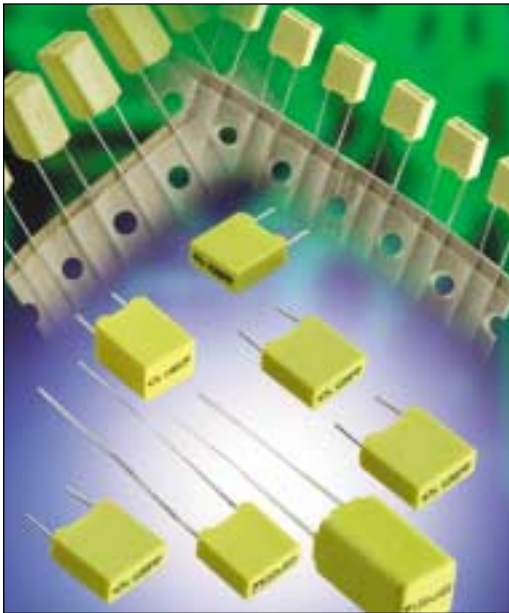


BF 01/02/07/06/05/04: Radial Leads



CPM-83 — (pitch = 5.08mm / 0.200 inches)



GENERAL DESCRIPTION

- Dielectric: Metallized polyester film (polyethylene terephthalate)
- Stacked-film
- Leads: Radial tin-plated wire
- Protection: Plastic case (UL94: V-O) / Epoxy resin
- Marking: Logo
Nominal Capacitance
Tolerance (EIA)
DC Nominal Voltage
Example: **T 100 nK 63**
- Delivery Mode: Bulk
Taped (reel or ammpack)

STANDARDIZATION

Generic specifications:

CEI 384-1/CECC 30000/UTE 83100

Sectional specifications:

CEI 384-2/CECC 30400/UTE 83151

Complies with special specification:

CECC 30401-063

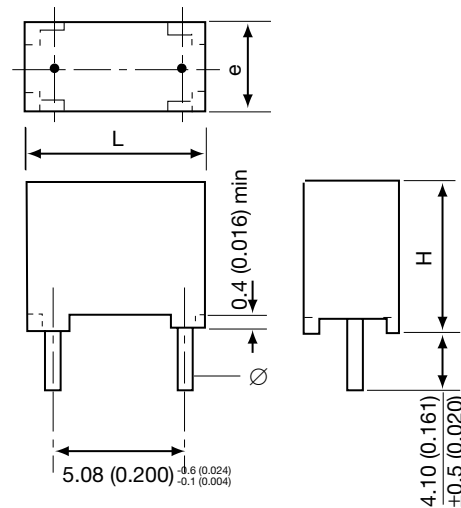
APPLICATIONS

- Commodity Product:
 - Supply decoupling
 - Filter
 - Integrators
 - Treatment of analog signals
 - Rejection of line perturbations etc.

DIMENSIONS

millimeters (inches)

Case	L max	H max	e max	$\phi \pm 0.02$
01	7.50 (0.295)	6.50 (0.256)	2.50 (0.098)	0.50 (0.020)
02	7.50 (0.295)	8.00 (0.315)	3.20 (0.126)	0.50 (0.020)
07	7.50 (0.295)	8.00 (0.315)	5.00 (0.197)	0.50 (0.020)
06	7.50 (0.295)	9.60 (0.378)	6.00 (0.236)	0.50 (0.020)
05	7.50 (0.295)	12.0 (0.472)	6.00 (0.236)	0.50 (0.020)
04	7.50 (0.295)	13.0 (0.512)	7.50 (0.295)	0.50 (0.020)



*L dimension measured 3mm above base of case

HOW TO ORDER

BF01

Type

4

Class

PET

D

Voltage

63V

0104

Capacitance Value

EIA code

K

Tolerance

$\pm 10\%$

--

Suffix

BF 01/02/07/06/05/04: Radial Leads



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PERFORMANCE CHARACTERISTICS

Climatic Category	55/100/56 Performance Class 2
Capacitance Range	C_R 1nF to 2.2 μ F (E12)
Tolerances on C_R	$\pm 5\%$; $\pm 10\%$ (other values on request)
Nominal Voltages	VR_ 63/100/250/400V VR~ 40/ 63/160/200V
Category Voltage	$V_c = 0.8V_{R-}$ at 100°C
Test Voltage	$V_e = 1.6V_{R-}/2s$ at 25°C

• Tangent of Loss Angle: D.F.

Measurement Frequency	Capacitance	DF: Performance Category 2
1kHz	$C_R \leq 1\mu F$	$\leq 1.0\%$
100 Hz	$C_R > 1\mu F$	$\leq 1.0\%$

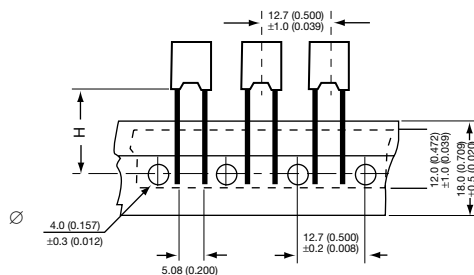
• Insulation Resistance: IR

Measuring Points	$C_R \leq 0.33\mu F$		$C_R > 0.33\mu F$	
	IR min (G Ω)		IR * C_R min (M Ω * μF)	
	Performance Class 2		Performance Class 2	
Between Terminals	$V_{R-} \leq 100V$	$V_{R-} > 100V$	$V_{R-} \leq 100V$	$V_{R-} > 100V$
	3.75	7.5	1.25	2.5
Between Terminals and Ground	$\geq 30,000 M\Omega$			
	V_{R-}			
	63	100	250	400
	(dv/dt) _R max	38	40	110
		40	110	270

PACKAGING

millimeters (inches)

	Panasert	Avisert
H	16.5 \pm 0.30 (0.65 \pm 0.012)	19.5 \pm 0.50 (0.768 \pm 0.020)



Thermoadhesive tape ▲

(Other sizes according to standard CEI : 286-2)
Dimensions: millimeters (inches)

Case	Quantity					
	Reel		Ammopack		Bulk	
Suffix x	DB panasert	DD avisert	DA panasert	DC avisert	USA Std.	Europe / Asia Std.
01	2500		2500		1000	5000
02	1800		2000		1000	3800
07	1200		1250		1000	2500
06	900		1100		1000	1500
05	900		1100		1000	1500
04	750		750		1000	1000

BF 01/02/07/06/05/04: Radial Leads



CPM-83 — (pitch = 5.08mm / 0.200 inches)

CAPACITANCE VALUE (C_R) and NOMINAL VOLTAGES (V_R)

Capacitance Range (C_R)	Reference			
	BF			
	V_R / V_{R-} (V)			
	63/40 (voltage code: D)	100/63 (voltage code: E)	250/160 (voltage code: G)	400/200 (voltage code: I)
1,000 pF	BF01	BF01	BF01	BF01
1,200	BF01	BF01	BF01	BF01
1,500	BF01	BF01	BF01	BF01
1,800	BF01	BF01	BF01	BF01
2,200 pF	BF01	BF01	BF01	BF01
2,700	BF01	BF01	BF01	BF01
3,300	BF01	BF01	BF01	BF01
3,900	BF01	BF01	BF01	BF01
4,700 pF	BF01	BF01	BF01	BF01
5,600	BF01	BF01	BF01	BF01
6,800	BF01	BF01	BF01	BF01
8,200	BF01	BF01	BF01	BF01
10,000 pF	BF01	BF01	BF01	BF01
12,000	BF01	BF01	BF01	BF02
15,000	BF01	BF01	BF01	BF02
18,000	BF01	BF01	BF01	BF02
22,000	BF01	BF01	BF01	BF02
27,000	BF01	BF01	BF01	BF07
33,000	BF01	BF01	BF02	BF07
39,000	BF01	BF01	BF02	BF06
47,000 pF	BF01	BF01	BF02	BF06
56,000	BF01	BF01	BF07	BF04
68,000	BF01	BF01	BF07	BF04
82,000	BF01	BF01	BF07	BF04
100 nF	BF01	BF01	BF07	BF04
120	BF01	BF01	BF06	
150	BF01	BF01	BF06	
180	BF01	BF07/**BF02	BF04	
220 nF	BF01	BF07/**BF02	BF04	
270	BF02	BF07		
330	BF02	BF07		
390	BF07/**BF02	BF07		
470 nF	BF07/**BF02	BF07		
560	BF07	BF05*		
680	BF07	BF05*		
820	BF07	BF05*		
1 μ F	BF07	BF05		
1.5 μ F	BF05*			
2.2 μ F	BF05**			

*Upon request - no change

**Upon request & only available 50 V (U_R) - no change

***Case size reduction: BF07 to BF02 - New

BF04/BF06: New

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