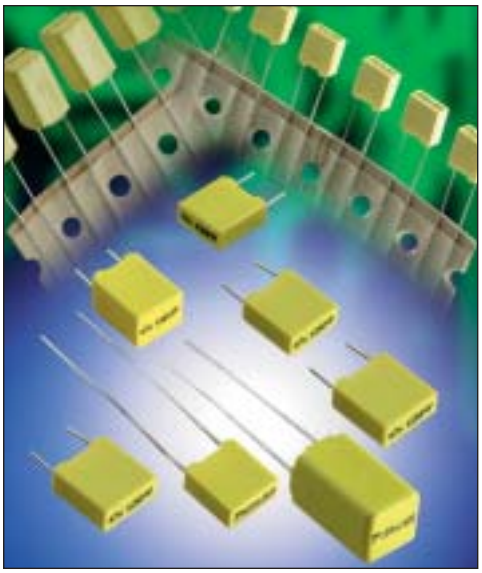
BF 01/02/07/06/05/04: Radial Leads

BQ 01/02/07/06/05/04 (Lead Free product available upon request)

CPM-83----- pitch = 5.08mm (0.200")



GENERAL DESCRIPTION

Dielectric: Metallized polyester film (Polyethylene teraphtalate)

Stacked-film

Leads: Radial tin - plated wire

Protection: Plastic case (UL 94: V-O) / Epoxy Resin

Marking: Logo
Nominal Capacitance
Tolerance (EIA)
DC Nominal Voltage
Example: **T 100nK 63**

Delivery Mode: Bulk
Taped (reel or ammopack)

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

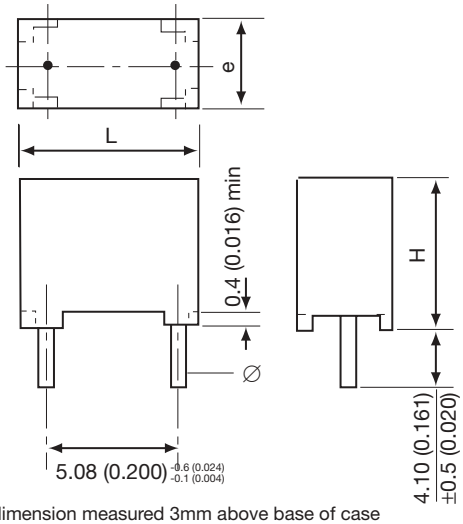
APPLICATIONS

- 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	ø ± 0.02
01	7.5 (0.295)	6.5 (0.256)	2.5 (0.098)	0.5 (0.020)
02	7.5 (0.295)	8.0 (0.315)	3.2 (0.126)	0.5 (0.020)
05	7.5 (0.295)	12.0 (0.472)	6.0 (0.236)	0.5 (0.020)
06	7.5 (0.295)	9.6 (0.378)	6.0 (0.236)	0.5 (0.020)
07	7.5 (0.295)	8.0 (0.315)	5.0 (0.197)	0.5 (0.020)
04	7.5 (0.295)	13.0 (0.512)	7.5 (0.295)	0.5 (0.020)



*L dimension measured 3mm above base of case

HOW TO ORDER

BF or BQ01	4	D	0104	K	- -
Type	Class	Voltage	Capacitance	Tolerance	Suffix

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

BQ 01/02/07/06/05/04 (Lead Free product available upon request)

CPM-83----- pitch = 5.08mm (0.200")

PERFORMANCE CHARACTERISTICS

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

• Tangent of Loss Angle: D.F.

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

• Insulation Resistance: IR

Measuring Points	C_R <= 0.33µF		C_R > 0.33µF	
	IR min (GΩ)		IR * C_R min (MΩ * µF)	
	Performance Class 2		Performance Class 2	
Between Terminals	V_{R-} ≤ 100V	V_{R-} > 100V	V_{R-} ≤ 100V	V_{R-} > 100V
	3.75	7.5	1.25	2.5
Between Terminals and Ground	≥ 30,000 Ω			

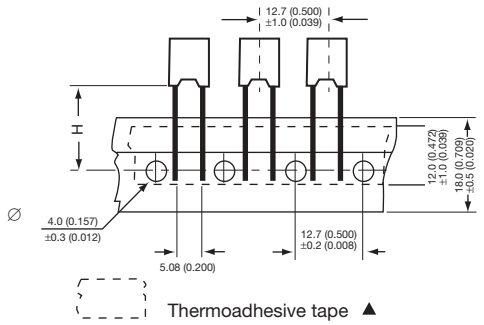
• Max voltage gradient

V_{R-}	63	100	250	400
$(dv/dt)_R$ max	38	40	110	270

PACKAGING

millimeters (inches)

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



(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

BQ 01/02/07/06/05/04 (Lead Free product available upon request)

CPM-83----- pitch = 5.08mm (0.200")

CAPACITANCE VALUES (C_R) and NOMINAL VOLTAGES (V_R)

Capacitance Range (C_R)	Reference BF or BQ V_{R-} / $V_{R\sim}$			
	63/40 (voltage code: D)	100/63 (voltage code: E)	250/160 (voltage code: G)	400/200 (voltage code: I)
1,000 pF	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
1,200	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
1,500	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
1,800	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
2,200 pF	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
2,700	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
3,300	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
3,900	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
4,700 pF	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
5,600	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
6,800	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
8,200	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
10,000 pF	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01
12,000	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02
15,000	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02
18,000	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02
22,000	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02
27,000	BF01 or BQ01	BF01 or BQ01	BF01 or BQ01	BF07 or BQ07
33,000	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02	BF07 or BQ07
39,000	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02	BF06 or BQ06
47,000 pF	BF01 or BQ01	BF01 or BQ01	BF02 or BQ02	BF06 or BQ06
56,000	BF01 or BQ01	BF01 or BQ01	BF07 or BQ07	BF04 or BQ04
68,000	BF01 or BQ01	BF01 or BQ01	BF07 or BQ07	BF04 or BQ04
82,000	BF01 or BQ01	BF01 or BQ01	BF07 or BQ07	BF04 or BQ04
100 nF	BF01 or BQ01	BF01 or BQ01	BF07 or BQ07	BF04 or BQ04
120	BF01 or BQ01	BF01 or BQ01	BF06 or BQ06	
150	BF01 or BQ01	BF01 or BQ01	BF06 or BQ06	
180	BF01 or BQ01	BF02 or BQ02	BF04 or BQ04	
220 nF	BF01 or BQ01	BF02 or BQ02	BF04 or BQ04	
270	BF02 or BQ02	BF07 or BQ07		
330	BF02 or BQ02	BF07 or BQ07		
390	BF02 or BQ02	BF07 or BQ07		
470 nF	BF02 or BQ02	BF07 or BQ07		
560	BF07 or BQ07	BF05* or BQ05		
680	BF07 or BQ07	BF05* or BQ05		
820	BF07 or BQ07	BF05* or BQ05		
1 µF	BF07 or BQ07	BF05 or BQ05		
1.5 µF	BF05* or BQ05			
2.2 µF	BF05** or BQ05			

*Upon request - **no change**

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

BF04/BF06: **New**

BQ range: **New**

USA

AVX Myrtle Beach, SC
Corporate Offices
Tel: 843-448-9411
FAX: 843-448-1943

AVX Northwest, WA
Tel: 360-699-8746
FAX: 360-699-8751

AVX North Central, IN
Tel: 317-848-7153
FAX: 317-844-9314

AVX Mid/Pacific, CA
Tel: 510-661-4100
FAX: 510-661-4101

AVX Southwest, AZ
Tel: 602-678-0384
FAX: 602-678-0385

AVX South Central, TX
Tel: 972-669-1223
FAX: 972-669-2090

AVX Southeast, GA
Tel: 404-608-8151
FAX: 770-972-0766

AVX Canada
Tel: 905-238-3151
FAX: 905-238-0319

EUROPE

AVX Limited, England
European Headquarters
Tel: ++44 (0) 1252-770000
FAX: ++44 (0) 1252-770001

AVX/ELCO, England
Tel: ++44 (0) 1638-675000
FAX: ++44 (0) 1638-675001

AVX S.A., France
Tel: ++33 (1) 69-18-46-00
FAX: ++33 (1) 69-28-73-87

AVX GmbH, Germany
Tel: ++49 (0) 8131-9004-0
FAX: ++49 (0) 8131-9004-44

AVX srl, Italy
Tel: ++390 (0)2 614-571
FAX: ++390 (0)2 614-2576

AVX Czech Republic
Tel: ++420 465-358-111
FAX: ++420 465-323-010

ASIA-PACIFIC

AVX/Kyocera, Singapore
Asia-Pacific Headquarters
Tel: (65) 6286-7555
FAX: (65) 6488-9880

AVX/Kyocera, Hong Kong
Tel: (852) 2-363-3303
FAX: (852) 2-765-8185

AVX/Kyocera, Korea
Tel: (82) 2-785-6504
FAX: (82) 2-784-5411

AVX/Kyocera, Taiwan
Tel: (886) 2-2698-8778
FAX: (886) 2-2698-8777

AVX/Kyocera, Malaysia
Tel: (60) 4-228-1190
FAX: (60) 4-228-1196

Elco, Japan
Tel: 045-943-2906/7
FAX: 045-943-2910

Kyocera, Japan - AVX
Tel: (81) 75-604-3426
FAX: (81) 75-604-3425

Kyocera, Japan - KDP
Tel: (81) 75-604-3424
FAX: (81) 75-604-3425

AVX/Kyocera, Shanghai, China
Tel: 86-21 6886 1000
FAX: 86-21 6886 1010

AVX/Kyocera, Tianjin, China
Tel: 86-22 2576 0098
FAX: 86-22 2576 0096

Contact:

A KYOCERA GROUP COMPANY

http://www.avx.com