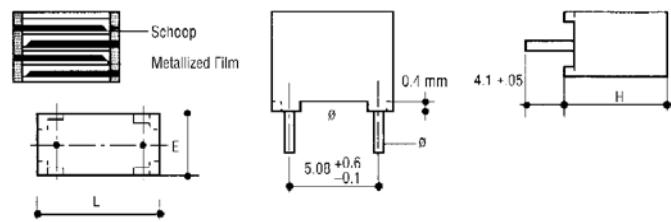




Polyester Film Capacitors, Voltage Suppressors, Chip Capacitors and Cap Arrays

Visit AVX's Website at www.avxcorp.com

BF Series Film Radial Leads



General Characteristics

Climactic Category: 55/100/56 — performance class 2. Capacitance Range: C_R 1 nF to 2.2 μ F (E12). Tolerances On C_R : ±5% and ±10% — other values on request. Nominal Voltages: U_R — 63/100/250/400 V, U_R ~ 40/63/160/200 V. Category Voltage: U_C = 0.8 U_R at 100°C. Test Voltage: U_T = 1.6 U_R /2 s at 25°C.

Dimensions (mm)

Case	Max. L	Max. H	Max. E	$\theta \pm 0.02$	Observation
01	7.5	6.5	2.5	0.5	1.0 nF ≤ C_R ≤ 220 nF
02	7.5	8.0	3.2	0.5	5.6 nF ≤ C_R ≤ 330 nF
07	7.5	8.0	5.0	0.5	18.0 nF ≤ C_R ≤ 1.0 μ F
05*	7.5	12.0	6.0	0.5	27.0 nF ≤ C_R ≤ 2.2 μ F

*BF05 model upon request.

Stock No.	Mfr.'s Type	Voltage	Cap.	Tol.	EACH		
					1-49	50-99	100-499
095-0124	BF014D0103J-	63 V	0.010 μ F	5%	.18	.13	.09
095-0215	BF014E0103J-	100 V	0.010 μ F	5%	.18	.13	.09
095-0128	BF014D0153J-	63 V	0.015 μ F	5%	.18	.13	.09
095-0219	BF014E0153J-	100 V	0.015 μ F	5%	.18	.13	.09
095-0133	BF014D0223J-	63 V	0.022 μ F	5%	.18	.13	.09
095-0223	BF014E0223J-	100 V	0.022 μ F	5%	.18	.13	.09
095-0137	BF014D0333J-	63 V	0.033 μ F	5%	.18	.13	.09

Transient Voltage Suppressors

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- Small Size
- Low Voltage
- Excellent Clamping Ratio
- High Transient Current Capability
- Response Time: Less than 1 nsec

Typical Applications

- Computer ESD and I/O Protection
- Automotive Transient Protection
- ESD/EMP Protected Connectors
- Data Line Protection
- Telecommunication Transient Protection
- Avionic Transient Protection

0603 Surface Mount

Inductance (L)*: ≤1.0. Dimensions. Length: .063" ±.006" (1.60 ±0.15 mm). Width: .032" ±.006" (0.80 ±0.15 mm). Thickness: .035" max. (0.90 mm). Termination Finish: Pt/Pd/Ag.

Stock No.	Mfr.'s Type	Working Voltage V_{wm} (V Max.)	Breakdown Voltage V_b (V)	Clamping Voltage V_c (V Max.)	Peak Current I_{peak} (A Max.)	Transient Energy E_{trans} (Joules Max.)	Cap. C* (pF Typ.)	PER PKG./100	1-9	10-24
213-8098	VC060314A300	14.0	16.5-20.3	30.0	30	0.1	500	84.88	66.66	
213-8100	VC060318A400	18.0	22.9-28.0	40.0	30	0.1	275	84.88	66.66	
213-8102	VC060326A500	26.0	31.0-38.0	58.0	30	0.1	200	84.88	66.66	
213-8104	VC060330A650	30.0	37.0-46.0	65.0	30	0.1	175	84.88	66.66	

0805 Surface Mount (continued)

0805 Surface Mount (continued)

Stock No.	Mfr.'s Type	Working Voltage V_{wm} (V Max.)	Breakdown Voltage V_b (V)	Clamping Voltage V_c (V Max.)	Peak Current I_{peak} (A Max.)	Transient Energy E_{trans} (Joules Max.)	Cap. C* (pF Typ.)	PER PKG./100	1-9	10-24
213-5065	VC080514C300	14.0	15.9-19.4	30.0	120	0.3	1200	77.17	54.44	
213-6070	VC080518A400	18.0	22.9-28.0	40.0	30	0.1	350	77.17	54.44	
213-6075	VC080518C400	18.0	22.5-27.5	40.0	100	0.3	650	77.17	59.10	
213-6085	VC080526C580	26.0	30.5-37.3	58.0	100	0.3	200	77.17	54.44	

1206 Surface Mount

Inductance (L)*: ≤1.7. Dimensions. Length: .126" ±.008" (3.20 ±0.2 mm). Width: .063" ±.008" (1.60 ±0.2 mm).

Thickness: .040" max. (.102 mm). Land Length: .028" max. (.071 mm). Termination Finish: Pt/Pd/Ag.

V_{wm} — Maximum steady-state DC operating voltage the varistor can maintain and not exceed 50 μ A leakage current. V_b — Voltage across the device measured at 1 mA DC current. V_c — Maximum peak voltage across the varistor measured at a specified pulse current and waveform/transient energy rating of 0.1 J-2 A, 8/20 μ s pulse current and waveform; transient energy rating of 0.2 J-5 A, 8/20 μ s pulse current and waveform; transient energy rating of ≥0.4 J-10 A, 8/20 μ s pulse current and waveform. I_{peak} — Maximum peak current which may be applied with the specified waveform without device failure; E_{trans} — Maximum energy which may be dissipated with the specified waveform without device failure; C — Device capacitance measured with zero volt bias 0.5 VRMS and 1 kHz. L — Device inductance measured with a current edge rate of 100 mA/ns.

CTZ3 Series — Multilayer Ceramic Chip Trimmer Capacitors

- Maximum Height: 1.8 mm

AVX RF/Microwave Designer and Tuning Kits

Tuning Kit Type 100. Consists of 300 capacitors, 10 each of 30 values from 0.5 pF to 56 pF with tolerances of ±0.1 pF and ±2%.

881-7525

Designer Kit Type 800. Consists of 300 capacitors, 10 each of 30 values from 0.1 to 47.0 pF with tolerances from ±0.05 pF to ±5%. Voltages of 25, 50 and 100 volts. EACH 240.35

881-7505. Accu-P 0805KIT02

EACH 253.00

EACH 240.35

AVX Cap Arrays

0612 Case Size

The 0612 four capacitor array takes up less than half the board space of four discrete 0603 components and is much easier to handle. The 0612 cap array is ideal for all applications which use multiple capacitors.

Stock No.	Mfr.'s Type	Volt (V)	Value (mF)	Temp. Coef.	Tol. (%)	EACH*
213-9500	W3A41A100KAT1A	100	100	NPO	10	.25
213-9510	W3A41A101KAT1A	100	101	NPO	10	.33
213-9512	W3A41A221KAT1A	100	221	NPO	10	.33
213-9525	W3A41C102MAT1A	100	102	XTR	20	.25
213-9538	W3A41C103MAT1A	100	103	XTR	20	.33
213-9542	W3A45C333MAT1A	50	333	XTR	20	.33
213-9544	W3A43C473MAT1A	25	473	XTR	20	.41
213-9549	W3A4YC104MAT1A	16	104	XTR	20	.36

*Sold in multiples of 100 only.