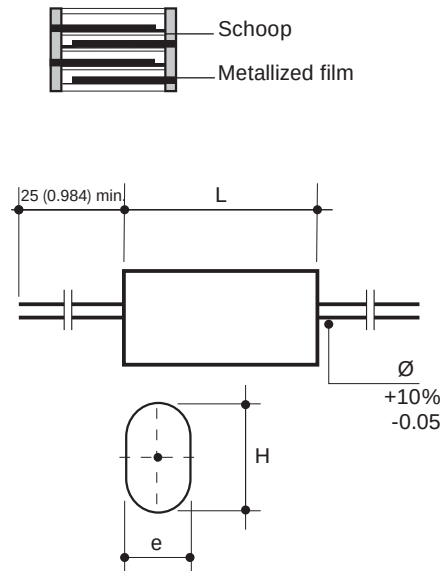


Metallized Polypropylene

SA-Voltage Gradient Film Dielectric Capacitors



Voltage Gradients According to Voltage and Size

Tension/Voltage		Format Size	Gradient* (du/dt) _R (V/μs)
V _{R-}	V _{R~} (eff/rms)		
160V	100V	10	1200
		13	850
		18	400
		27	160
		31	110
250V	160V	10	1310
		13	1000
		18	440
		27	195
		31	150
400V	200V	10	1620
		13	1250
		18	985
		27	260
		31	200
630V	250V	10	2750
		13	2500
		18	1930
		27	1090
		31	760

Absolute limits which must not be exceeded for rapid discharges with nominal voltage V_{R-}

HOW TO ORDER

SA18 6 G 0334 J --

① ② ③ ④ ⑤ ⑥

- ① **Type and Size**
- ② **Dielectric Class:** Polypropylene
- ③ **Voltage:** F = 160
G = 250
I = 400
K = 630
- ④ **Capacitance Value:** 10,000pF
- ⑤ **Tolerance**
- ⑥ **Suffix**

*For nominal rms currents consult AVX.

Nominal Voltage (V_R) and Capacitance Values (C_R) Depending on the Dimensions

Size Code	DIMENSIONS: millimeters (inches)				Range of Capacitances (C _R min. ... max.)			
	Max L	Max H	Max e	Ø +10% -0.05	V _{R-} / V _{R~}			
					F	G	I	K
					160/100	250/160	400/200	630/250
10	12.0 (0.472)	7.5 (0.295)	4.5 (0.177)	0.6 (0.024)	16nF ~ 33nF	9.1nF ~ 15nF	5.6nF ~ 8.2nF	1nF ~ 5.1nF
13	14.5 (0.571)	7.5 (0.295)	4.5 (0.177)	0.6 (0.024)	36nF ~ 68nF	16nF ~ 30nF	9.1nF ~ 16nF	5.6nF ~ 10nF
	14.5 (0.571)	11.0 (0.433)	4.5 (0.177)	0.6 (0.024)	75nF ~ 0.13μF	33nF ~ 56nF	18nF ~ 33nF	11nF ~ 20nF
18	20.0 (0.787)	11.0 (0.433)	4.5 (0.177)	0.8 (0.031)	0.15μF ~ 0.24μF	62nF ~ 0.11μF	36nF ~ 62nF	22nF ~ 39nF
	20.0 (0.787)	11.0 (0.433)	5.75 (0.226)	0.8 (0.031)	0.27μF ~ 0.33μF	0.12μF ~ 0.13μF	68nF ~ 82nF	43nF ~ 51nF
	20.0 (0.787)	12.0 (0.472)	7.0 (0.276)	0.8 (0.031)	0.36μF ~ 0.47μF	0.15μF ~ 0.20μF	91nF ~ 0.11μF	56nF ~ 75nF
	20.0 (0.787)	13.0 (0.512)	8.25 (0.325)	0.8 (0.031)	0.51μF ~ 0.56μF	0.22μF ~ 0.27μF	0.12μF ~ 0.15μF	82nF ~ 0.1μF
	20.0 (0.787)	14.0 (0.551)	9.5 (0.374)	0.8 (0.031)	0.62μF ~ 0.75μF	0.30μF ~ 0.33μF	0.16μF ~ 0.18μF	0.11μF ~ 0.12μF
	20.0 (0.787)	16.0 (0.630)	9.5 (0.374)	0.8 (0.031)	0.82μF ~ 0.91μF	0.36μF ~ 0.43μF	0.20μF ~ 0.24μF	0.13μF ~ 0.15μF
	20.0 (0.787)	18.0 (0.709)	12.0 (0.472)	0.8 (0.031)	1μF ~ 1.3μF	0.47μF ~ 0.56μF	0.27μF ~ 0.33μF	0.16μF ~ 0.22μF
	20.0 (0.787)	22.0 (0.866)	14.0 (0.551)	0.8 (0.031)	1.5μF ~ 2μF	0.62μF ~ 0.82μF	0.36μF ~ 0.51μF	0.24μF ~ 0.33μF
	20.0 (0.787)	26.0 (1.024)	16.5 (0.650)	0.8 (0.031)	2.2μF ~ 2.7μF	0.91μF ~ 1.2μF	0.56μF ~ 0.68μF	0.36μF ~ 0.47μF
27	28.5 (1.122)	12.0 (0.472)	7.0 (0.276)	1.0 (0.039)	0.82μF	0.36μF ~ 0.39μF	0.20μF ~ 0.22μF	0.13μF
	28.5 (1.122)	13.5 (0.531)	7.0 (0.276)	1.0 (0.039)	0.91μF ~ 1μF	0.43μF	0.24μF	0.15μF ~ 0.16μF
	28.5 (1.122)	14.5 (0.571)	8.25 (0.325)	1.0 (0.039)	1.1μF ~ 1.3μF	0.47μF ~ 0.62μF	0.27μF ~ 0.36μF	0.18μF ~ 0.22μF
	28.5 (1.122)	16.0 (0.630)	9.5 (0.374)	1.0 (0.039)	1.5μF ~ 1.6μF	0.68μF ~ 0.75μF	0.39μF ~ 0.43μF	0.24μF ~ 0.30μF
	28.5 (1.122)	18.0 (0.709)	12.0 (0.472)	1.0 (0.039)	1.8μF ~ 2.4μF	0.82μF ~ 1.1μF	0.47μF ~ 0.62μF	0.33μF ~ 0.39μF
	28.5 (1.122)	22.0 (0.866)	14.0 (0.551)	1.0 (0.039)	2.7μF ~ 3.6μF	1.2μF ~ 1.6μF	0.68μF ~ 0.91μF	0.43μF ~ 0.62μF
	28.5 (1.122)	26.0 (1.024)	16.5 (0.650)	1.0 (0.039)	3.9μF ~ 5.1μF	1.8μF ~ 2.4μF	1μF ~ 1.3μF	0.68μF ~ 0.91μF
31	33.0 (1.300)	16.0 (0.630)	9.5 (0.374)	1.0 (0.039)	1.8μF ~ 2μF	0.82μF ~ 0.91μF	0.47μF ~ 0.51μF	0.33μF ~ 0.36μF
	33.0 (1.300)	19.0 (0.748)	12.0 (0.472)	1.0 (0.039)	2.2μF ~ 3μF	1μF ~ 1.3μF	0.56μF ~ 0.82μF	0.39μF ~ 0.51μF
	33.0 (1.300)	22.5 (0.886)	14.5 (0.571)	1.0 (0.039)	3.3μF ~ 4.7μF	1.5μF ~ 2.2μF	0.91μF ~ 1.2μF	0.56μF ~ 0.82μF
	33.0 (1.300)	26.5 (1.043)	17.0 (0.669)	1.0 (0.039)	5.1μF ~ 6.8μF	2.4μF ~ 3μF	1.3μF ~ 1.8μF	0.91μF ~ 1.1μF
	33.0 (1.300)	28.5 (1.122)	19.0 (0.748)	1.0 (0.039)	7.5μF ~ 8.2μF	3.3μF ~ 3.9μF	2μF ~ 2.2μF	1.2μF ~ 1.3μF
	33.0 (1.300)	31.0 (1.220)	21.5 (0.846)	1.0 (0.039)	9.1μF ~ 10μF	4.3μF ~ 4.7μF	2.4μF ~ 2.7μF	1.5μF ~ 1.8μF

Values from the E24 Series (tol. ±5%)

Additional information on this product is available from AVX's catalog or AVX's FAX Service.
Call 1-800-879-1613 and request document #093. Visit our website <http://www.avxcorp.com>

