



AVX solder-in style C and L section filters, utilize patented conductive polymer technology to provide effective attenuation in the RF to microwave frequency spectrum from 10MHz to 50GHz. Designed in accordance with MIL-PRF-28861, they perform well in high impedance circuits where large capacitance values are not practical. They are ideal for filtering signal/data lines of high impedance source and load systems. These filters are designed to be soldered into a package, bracket or bulkhead (and maintain hermeticity).

CHARACTERISTICS

- Miniature and Microminiature versions for Aerospace applications
- High temperature construction, withstands 300°C installation temperatures
- Rugged monolithic discoidal capacitor construction
- Custom lead lengths and capacitance values available on request
- Glass hermetic seal on one end with epoxy on the opposite end
- High purity gold plating provides excellent solderability or compatibility with thermal and ultrasonic wire bonding
- Rated DC current up to 10A
- NASA SSQ 21215-21218

HOW TO ORDER

ZS ↓	2 ↓	C ↓	2 ↓	B ↓	103 ↓	H ↓
Style	Circuit	Voltage	Options	MIL-28861 Screening	3 Digit Capacitor Code (in pF)	H = Polyimide Y = Solder Z = Braze
ZZ = (.118 Dia.) M28861/12	1 = C Section (Feed Thru)	A = 100 VDC B = 200 VDC C = 50 VDC E = 400 VDC/230 VAC OR 400 VDC K = 250 VDC L = 300 VDC OR 200 VDC/115 VAC	1 = Copper (std. for non-hermetic) 2 = Nickel Iron (std.) 3 = Special 4 = Aluminum compatible with seating flange (std. lead) 5 = Aluminum compatible with seating flange (special lead) D = Aluminum compatible with centering flange (std. lead) E = Aluminum compatible with centering flange (special lead) F = Aluminum compatible special design Y = Solder	B = Class B S = Class S		
ZYS* = (.105 Dia.) ZXS* = (.075 Dia.) ZZS* = (.120 Dia.) ZS* = (.128 Dia.) M28861/12	2 = L-Section 8 = Grounded Feed Thru	M = 350 VDC N = 70 VDC Y = 300 VDC Z = 400 VDC X = 500 VDC				
ZR* = (.128 Dia.) M28861/12						
YS* = (.165 Dia.) M28861/15						
YR* = (.165 Dia.) M28861/15						
XS* = (.250 Dia.) M28861/14						
XR* = (.250 Dia.) M28861/14						
WS* = (.400 Dia.) M28861/13						
WR* = (.400 Dia.) M28861/13						

*Glass Seal Orientation:
S = Standard
R = Reverse
N = No Glass
(Epoxy both Sides)
M = Mid Flange

Style	Capacitance Range (in pF if not indicated)					Current Rating	Circuit Available
	50VDC	100VDC	200VDC/115VAC	400VDC/230VAC	500VDC		
ZXS	5-5,600	5-1,800	5-1,000	—	—	1.5A	C
ZYS	5-22,000	5-8,200	5-4,700	5-2,700	—	2.5A	C
ZZS	5-27,000	5-10,000	5-5,600	5-3,300	5-1,800	5A	C, L
ZZ	5-27,000	5-10,000	5-5,600	5-3,300	5-1,800	5A	C
ZS/ZR	5-33,000	5-12,000	5-6,800	5-3,900	5-2,200	5A	C, L
YS/YR	5-68,000	5-27,000	5-18,000	5-10,000	5-6,800	5A	C, L
XS/XR	5pF-.39µF	5pF-.15µF	5pF-.1µF	5pF-.056µF	5pF-.033µF	10A	C, L
WS/WR	5pF-1.8µF	5pF-.68µF	5pF-.39µF	5pF-.22µF	5pF-.15µF	15A	C, L