

Insulation Resistance	
MegOhms Minimum	100,000
Test Voltage	100VDC
Electrification Time	1 Minute

Physical

- Dielectric Material • Polypropylene (film-foil)
- Electrode Material • Metal Foil
- Winding Construction • Non-inductive, extended foil
- Lead Material • Tinned wire
- Enclosure • Tape wrap with epoxy endfill.
- Component Marking • Logo, type, capacitance value, tolerance, rated voltage and date code
- Temperature Range • -55°C to 100°C
- Temperature Coef. • -300PPM ±80PPM
- Flame Retardancy • Units meet standard industry requirements when tested as specified per IEC 695-2-2 and UL94 VO.
- Packaging • Bulk or tape & reel

Electrical

- Capacitance Range • .00068μF to .33μF
- Tolerance • ±2%, ±5%, ±10% (G, J, K)
- Voltage Range • 100VDC to 400VDC
- Dissipation Factor • ≤.05% @ 10KHz
- Dielectric Strength • 2.0 x rated VDC
- Dielectric Absorption • .02% typical
- Insulation Resistance • See table

Long Term Stability

+C.5% over two years at a temperature of between 20°C & 40°C and a RH of between 40% and 60%.

Performance Testing

Accelerated Dry Life:

- Test Conditions
 - Temperature • 85°C ± 3.0°C
 - Applied Voltage • 1.25 x rated DC voltage
 - Test Duration • 500 hours
- Performance Requirements
 - Capacitance • delta of ≤2.0%
 - Insulation Resistance • ≥50% of initial limit

Humidity:

- Test Conditions
 - Temperature • 40°C ± 2.0°C
 - Applied Voltage • Zero voltage
 - Humidity • 93% ± 2% RH
 - Test Duration • 500 hours
- Performance Requirements
 - Capacitance • delta of ≤2.0%
 - Dissipation Factor • ≤.05% @ 10KHz
 - Insulation Resistance • ≥50% of initial limit

Resistance To Solder Heat:

- Test Conditions
 - Solder Temperature • 260°C ± 5.0°C
 - Test Duration • 10 seconds ± 1 second
- Performance Requirements
 - Capacitance • delta of ≤ 1.0%

Lead Pull:

Must withstand a tensile force of 5 lbs applied to each lead for 5 seconds.

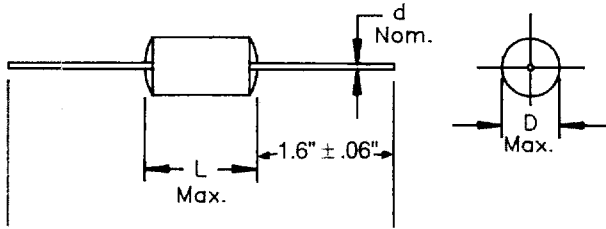
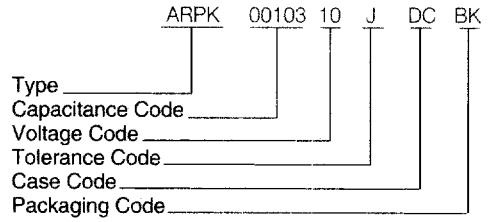
DV/DT Maximum Pulse Rise Time (V/μ sec)	
Volts	V/μ sec
100-400	1000

Type ARPK

Axial Leaded Capacitors Film-Foil Polypropylene Dielectric Tape Wrapped with Epoxy Endfill

Part Numbering System

Example: 0.010µF 125VDC ±5% Bulk Packed



Capacitance		Code 10		Code 25		Code 40	
		100 VDC (63 VAC)		250 VDC (180 VAC)		400 VDC (250 VAC)	
µF	Code	Dimensions IN. D x L	Case Code	Dimensions IN. D x L	Case Code	Dimensions IN. D x L	Case Code
0.00068	00681					.2 x .56	AC
0.00082	00821					.2 x .56	AC
0.0010	00102					.2 x .56	AC
0.0015	00152					.220 x .56	BC
0.0022	00222					.256 x .56	DC
0.0033	00332					.256 x .56	DC
0.0047	00472					.256 x .56	DC
0.0068	00682					.256 x .56	DC
0.0082	00822			.256 x .560	DC	.296 x .63	FH
0.0100	00103	.256 x .560	DC	.256 x .560	DC	.296 x .63	FH
0.0150	00153	.256 x .560	DC	.296 x .630	FH	.315 x .63	GH
0.0220	00223	.256 x .560	DC	.296 x .630	FH	.354 x .63	IH
0.0330	00333	.315 x .630	GH	.315 x .630	GH		
0.0470	00473	.315 x .630	GH	.315 x .630	GH		
0.0680	00683	.335 x .630	HH	.335 x .938	HK		
0.1000	00104	.394 x .630	KH	.394 x .938	KK		
0.1500	00154	.433 x .938	MK	.433 x 1.06	MO		
0.2200	00224	.551 x 1.06	SO				
0.3300	00334	.630 x 1.06	WO				

Case Code	Dimensions mm D & L
AC	5 x 14
BC	5.5 x 14
DC	6.5 x 14
FH	7.5 x 16
GH	8 x 16
HH	8.5 x 16
IH	9.0 x 16
KH	10 x 16
HK	8.5 x 23.8
KK	10 x 23.8
MK	11 x 23.8
MO	11 x 27
SO	14 x 27
WO	16 x 27

D	d	AWG
≤ .276 IN. (7mm)	.025 IN. (.6mm)	#22
>.276 IN. (7mm)	.032 IN. (.8mm)	#20

