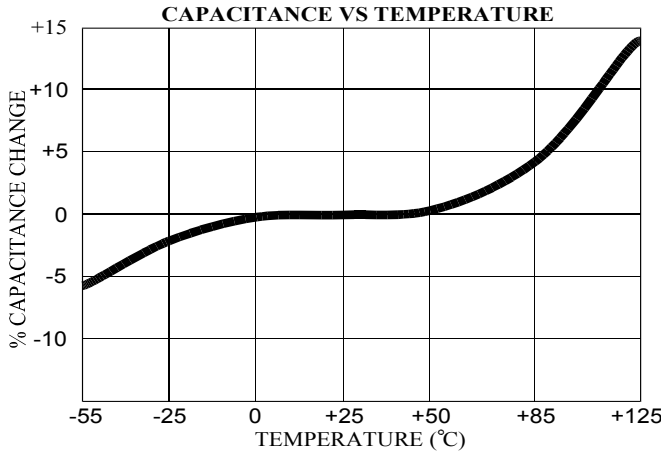


Metalized Polyester

Typical Characteristics

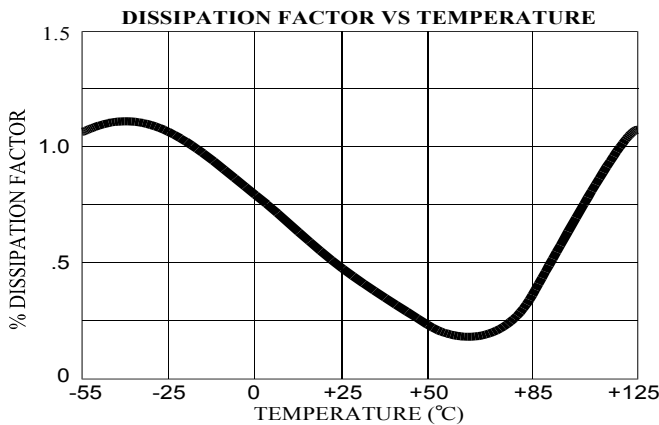


TEMPERATURE:

Rated voltage from -55° C to +85° C;
to +125° C with 50% voltage derating.

DIELECTRIC VOLTAGE TEST:

Will withstand the application of 150% rated voltage, at 25° C,
for a period of time not to exceed one minute. Current limited to
5 milliamperes.



DISSIPATION FACTOR:

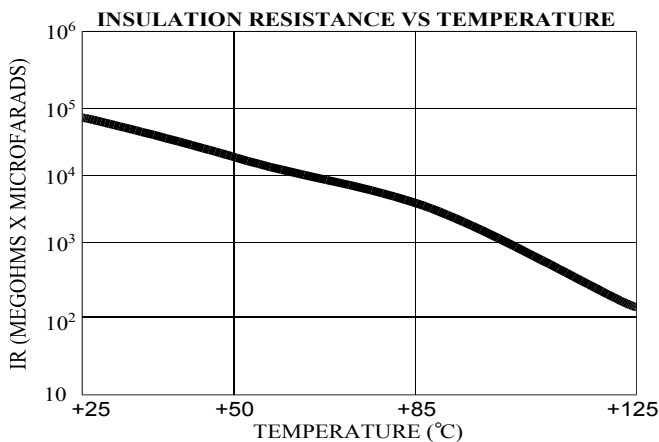
Shall not exceed 1.0% at 25° C.

MEASUREMENT CRITERIA:

Measurement frequency for capacitance and dissipation factor
shall be 1000Hz for values under 1mfd; 120Hz for 1mfd and
over.

LIFE TEST:

Will withstand the application of 100% rated voltage at
+125° C for 250 hrs. with not more than one failure in twelve
permitted.



INSULATION RESISTANCE:

When measured at rated voltage or 500VDC, whichever is
less, for a time not exceeding two minutes, units shall meet
the minimum values below.

TEMP. (°C)	MEG. X MFDS	MEG. (need not exceed)
+25	20,000	40,000
+85	2,000	4,000
+125	50	100

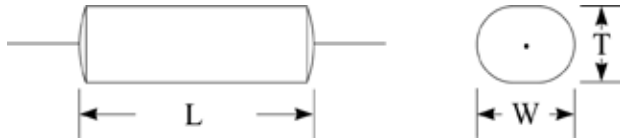


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A11

METALIZED POLYESTER



LEAD LENGTH = 1.5" MIN.

Axial

OVAL

Wrap & Fill

Lead Gauge	35VDC	100VDC	200VDC	400VDC	600VDC
24AWG	.001 - 6.0	.001 - 2.0	.001 - .68	.001 - .22	.001 - .068
22AWG	8.0 - 20.0	3.0 - 6.0	.82 - 1.8	.27 - .56	.082 - .18
20AWG	—	8.0 - 20.0	2.0 - 20.0	.68 - 5.0	.22 - 1.5

MFD	35 VDC				100 VDC				200 VDC				400 VDC				600 VDC			
	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.	T	W	L	PART NO.
.0010	.09	.18	.40	A11Z102	.09	.18	.40	A11B102	.09	.18	.40	A11C102	.09	.18	.40	A11E102	.09	.18	.40	A11F102
.0012	.09	.18	.40	A11Z122	.09	.18	.40	A11B122	.09	.18	.40	A11C122	.09	.18	.40	A11E122	.09	.18	.40	A11F122
.0015	.09	.18	.40	A11Z152	.09	.18	.40	A11B152	.09	.18	.40	A11C152	.09	.18	.40	A11E152	.09	.18	.40	A11F152
.0018	.09	.18	.40	A11Z182	.09	.18	.40	A11B182	.09	.18	.40	A11C182	.09	.18	.40	A11E182	.09	.18	.40	A11F182
.0022	.09	.18	.40	A11Z222	.09	.18	.40	A11B222	.09	.18	.40	A11C222	.09	.18	.40	A11E222	.09	.18	.40	A11F222
.0027	.09	.18	.40	A11Z272	.09	.18	.40	A11B272	.09	.18	.40	A11C272	.09	.18	.40	A11E272	.10	.19	.40	A11F272
.0033	.09	.18	.40	A11Z332	.09	.18	.40	A11B332	.09	.18	.40	A11C332	.09	.18	.40	A11E332	.09	.18	.53	A11F332
.0039	.09	.18	.40	A11Z392	.09	.18	.40	A11B392	.09	.18	.40	A11C392	.09	.18	.40	A11E392	.09	.18	.53	A11F392
.0047	.09	.18	.40	A11Z472	.09	.18	.40	A11B472	.09	.18	.40	A11C472	.09	.18	.40	A11E472	.09	.18	.53	A11F472
.0056	.09	.18	.40	A11Z562	.09	.18	.40	A11B562	.09	.18	.40	A11C562	.10	.20	.40	A11E562	.09	.18	.53	A11F562
.0068	.09	.18	.40	A11Z682	.09	.18	.40	A11B682	.09	.18	.40	A11C682	.11	.21	.40	A11E682	.11	.20	.53	A11F682
.0082	.09	.18	.40	A11Z822	.09	.18	.40	A11B822	.09	.18	.40	A11C822	.09	.18	.53	A11E822	.12	.22	.53	A11F822
.010	.09	.18	.40	A11Z103	.09	.18	.40	A11B103	.09	.18	.40	A11C103	.09	.18	.53	A11E103	.14	.23	.53	A11F103
.012	.09	.18	.40	A11Z123	.09	.18	.40	A11B123	.09	.18	.40	A11C123	.09	.18	.53	A11E123	.15	.25	.53	A11F123
.015	.09	.18	.40	A11Z153	.09	.18	.40	A11B153	.09	.18	.40	A11C153	.09	.18	.53	A11E153	.18	.27	.53	A11F153
.018	.09	.18	.40	A11Z183	.09	.18	.40	A11B183	.10	.20	.40	A11C183	.11	.20	.53	A11E183	.20	.29	.53	A11F183
.022	.09	.18	.40	A11Z223	.09	.18	.40	A11B223	.09	.18	.53	A11C223	.12	.22	.53	A11E223	.22	.32	.53	A11F223
.027	.09	.18	.40	A11Z273	.09	.18	.40	A11B273	.09	.18	.53	A11C273	.14	.23	.53	A11E273	.20	.29	.68	A11F273
.033	.09	.18	.40	A11Z333	.09	.18	.40	A11B333	.09	.18	.53	A11C333	.16	.25	.53	A11E333	.22	.31	.68	A11F333
.039	.09	.18	.40	A11Z393	.09	.18	.40	A11B393	.09	.18	.53	A11C393	.17	.27	.53	A11E393	.20	.30	.78	A11F393
.047	.09	.18	.40	A11Z473	.09	.18	.40	A11B473	.09	.18	.53	A11C473	.19	.29	.53	A11E473	.23	.32	.78	A11F473
.056	.09	.18	.40	A11Z563	.09	.18	.40	A11B563	.11	.20	.53	A11C563	.22	.31	.53	A11E563	.26	.34	.78	A11F563
.068	.09	.18	.40	A11Z683	.10	.19	.40	A11B683	.12	.22	.53	A11C683	.18	.27	.68	A11E683	.28	.37	.78	A11F683
.082	.09	.18	.40	A11Z823	.11	.20	.40	A11B823	.14	.23	.53	A11C823	.20	.28	.68	A11E823	.31	.41	.78	A11F823
.10	.09	.18	.40	A11Z104	.09	.18	.53	A11B104	.16	.25	.53	A11C104	.22	.32	.68	A11E104	.31	.40	.95	A11F104
.12	.09	.18	.40	A11Z124	.09	.18	.53	A11B124	.17	.27	.53	A11C124	.20	.30	.78	A11E124	.24	.41	1.17	A11F124
.15	.09	.18	.40	A11Z154	.09	.18	.53	A11B154	.20	.29	.53	A11C154	.23	.33	.78	A11E154	.28	.44	1.17	A11F154
.18	.10	.20	.40	A11Z184	.09	.18	.53	A11B184	.22	.32	.53	A11C184	.26	.34	.78	A11E184	.31	.48	1.17	A11F184
.22	.11	.22	.40	A11Z224	.10	.20	.53	A11B224	.18	.28	.68	A11C224	.29	.39	.78	A11E224	.35	.52	1.17	A11F224
.27	.13	.22	.40	A11Z274	.12	.22	.53	A11B274	.20	.29	.68	A11C274	.33	.42	.78	A11E274	.40	.57	1.17	A11F274
.33	.15	.24	.40	A11Z334	.14	.23	.53	A11B334	.24	.33	.68	A11C334	.32	.41	.95	A11E334	.45	.61	1.17	A11F334
.39	.16	.25	.40	A11Z394	.15	.25	.53	A11B394	.21	.30	.78	A11C394	.25	.42	1.17	A11E394	.43	.59	1.45	A11F394
.47	.18	.28	.40	A11Z474	.17	.27	.53	A11B474	.24	.33	.78	A11C474	.28	.45	1.17	A11E474	.48	.65	1.45	A11F474
.56	.12	.22	.53	A11Z564	.19	.28	.53	A11B564	.26	.36	.78	A11C564	.31	.48	1.17	A11E564	.47	.63	1.70	A11F564
.68	.13	.23	.53	A11Z684	.22	.31	.53	A11B684	.29	.39	.78	A11C684	.35	.52	1.17	A11E684	.47	.64	1.95	A11F684
.82	.15	.24	.53	A11Z824	.18	.27	.68	A11B824	.33	.42	.78	A11C824	.39	.56	1.17	A11E824	.53	.70	1.95	A11F824
1.0	.17	.26	.53	A11Z105	.20	.29	.68	A11B105	.32	.41	.95	A11C105	.44	.61	1.17	A11E105	.59	.76	1.95	A11F105
1.2	.19	.28	.53	A11Z125	.22	.32	.68	A11B125	.25	.42	1.17	A11C125	.42	.59	1.45	A11E125	.66	.82	1.95	A11F125
1.5	.22	.31	.53	A11Z155	.21	.30	.78	A11B155	.29	.45	1.17	A11C155	.48	.65	1.45	A11E155	.75	.91	1.95	A11F155
1.8	.25	.34	.53	A11Z185	.23	.33	.78	A11B185	.32	.49	1.17	A11C185	.47	.64	1.70	A11E185				
2.0	.26	.35	.53	A11Z205	.25	.34	.78	A11B205	.35	.51	1.17	A11C205	.45	.62	1.95	A11E205				
3.0	.25	.35	.65	A11Z305	.31	.41	.78	A11B305	.44	.61	1.17	A11C305	.57	.74	1.95	A11E305				
4.0	.25	.35	.78	A11Z405	.32	.41	.95	A11B405	.44	.61	1.45	A11C405	.68	.84	1.95	A11E405				
5.0	.28	.38	.78	A11Z505	.26	.42	1.17	A11B505	.45	.61	1.70	A11C505	.77	.93	1.95	A11E505				
6.0	.31	.42	.78	A11Z605	.29	.45	1.17	A11B605	.49	.65	1.70	A11C605								
8.0	.32	.42	.90	A11Z805	.35	.51	1.17	A11B805	.53	.70	1.95	A11C805								
10.0	.37	.46	.90	A11Z106	.46	.63	1.17	A11B106	.70	.87	1.95	A11C106								
12.0	.30	.48	1.15	A11Z126	.51	.68	1.17	A11B126	.78	.95	1.95	A11C126								
15.0	.35	.51	1.15	A11Z156	.50	.67	1.45	A11B156	.87	1.04	1.95	A11C156								
18.0	.38	.55	1.15	A11Z186	.56	.72	1.45	A11B186	.95	1.12	1.95	A11C186								
20.0	.41	.57	1.15	A11Z206	.52	.68	1.70	A11B206	1.01	1.18	1.95	A11C206								

Add letter to the end of the part number to specify the tolerance.

- ±20% = M
- ±10% = K
- ±5% = J
- ±3% = H
- ±2% = G
- ±1% = F

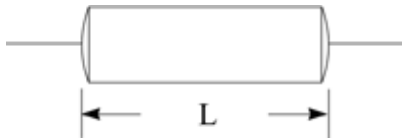


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A21

METALIZED POLYESTER



LEAD LENGTH = 1.5" MIN.

Axial Lead

ROUND

Wrap & Fill

Lead Gauge	35VDC	100VDC	200VDC	400VDC	600VDC
24AWG	.001 - 6.0	.001 - 2.0	.001 - .68	.001 - .22	.001 - .068
22AWG	8.0 - 20.0	3.0 - 6.0	.82 - 1.8	.27 - .56	.082 - .18
20AWG	—	8.0 - 20.0	2.0 - 20.0	.68 - 5.0	.22 - 1.5

MFD	35 VDC			100 VDC			200 VDC			400 VDC			600 VDC		
	D +.05	L +.05	PART NO.	D +.05	L +.05	PART NO.	D +.05	L +.05	PART NO.	D +.05	L +.05	PART NO.	D +.05	L +.05	PART NO.
.0010	.15	.40	A21Z102	.15	.40	A21B102	.15	.40	A21C102	.15	.40	A21E102	.15	.40	A21F102
.0012	.15	.40	A21Z122	.15	.40	A21B122	.15	.40	A21C122	.15	.40	A21E122	.15	.40	A21F122
.0015	.15	.40	A21Z152	.15	.40	A21B152	.15	.40	A21C152	.15	.40	A21E152	.15	.40	A21F152
.0018	.15	.40	A21Z182	.15	.40	A21B182	.15	.40	A21C182	.15	.40	A21E182	.15	.40	A21F182
.0022	.15	.40	A21Z222	.15	.40	A21B222	.15	.40	A21C222	.15	.40	A21E222	.15	.40	A21F222
.0027	.15	.40	A21Z272	.15	.40	A21B272	.15	.40	A21C272	.15	.40	A21E272	.16	.40	A21F272
.0033	.15	.40	A21Z332	.15	.40	A21B332	.15	.40	A21C332	.15	.40	A21E332	.15	.53	A21F332
.0039	.15	.40	A21Z392	.15	.40	A21B392	.15	.40	A21C392	.15	.40	A21E392	.15	.53	A21F392
.0047	.15	.40	A21Z472	.15	.40	A21B472	.15	.40	A21C472	.15	.40	A21E472	.15	.53	A21F472
.0056	.15	.40	A21Z562	.15	.40	A21B562	.15	.40	A21C562	.16	.40	A21E562	.15	.53	A21F562
.0068	.15	.40	A21Z682	.15	.40	A21B682	.15	.40	A21C682	.17	.40	A21E682	.17	.53	A21F682
.0082	.15	.40	A21Z822	.15	.40	A21B822	.15	.40	A21C822	.15	.53	A21E822	.18	.53	A21F822
.010	.15	.40	A21Z103	.15	.40	A21B103	.15	.40	A21C103	.15	.53	A21E103	.20	.53	A21F103
.012	.15	.40	A21Z123	.15	.40	A21B123	.15	.40	A21C123	.15	.53	A21E123	.21	.53	A21F123
.015	.15	.40	A21Z153	.15	.40	A21B153	.15	.40	A21C153	.15	.53	A21E153	.24	.53	A21F153
.018	.15	.40	A21Z183	.15	.40	A21B183	.16	.40	A21C183	.17	.53	A21E183	.26	.53	A21F183
.022	.15	.40	A21Z223	.15	.40	A21B223	.15	.53	A21C223	.18	.53	A21E223	.28	.53	A21F223
.027	.15	.40	A21Z273	.15	.40	A21B273	.15	.53	A21C273	.20	.53	A21E273	.26	.68	A21F273
.033	.15	.40	A21Z333	.15	.40	A21B333	.15	.53	A21C333	.22	.53	A21E333	.28	.68	A21F333
.039	.15	.40	A21Z393	.15	.40	A21B393	.15	.53	A21C393	.23	.53	A21E393	.26	.78	A21F393
.047	.15	.40	A21Z473	.15	.40	A21B473	.15	.53	A21C473	.25	.53	A21E473	.28	.78	A21F473
.056	.15	.40	A21Z563	.15	.40	A21B563	.17	.53	A21C563	.28	.53	A21E563	.31	.78	A21F563
.068	.15	.40	A21Z683	.16	.40	A21B683	.18	.53	A21C683	.24	.68	A21E683	.34	.78	A21F683
.082	.15	.40	A21Z823	.17	.40	A21B823	.20	.53	A21C823	.26	.68	A21E823	.37	.78	A21F823
.10	.15	.40	A21Z104	.15	.53	A21B104	.22	.53	A21C104	.28	.68	A21E104	.37	.95	A21F104
.12	.15	.40	A21Z124	.15	.53	A21B124	.23	.53	A21C124	.26	.78	A21E124	.35	1.17	A21F124
.15	.15	.40	A21Z154	.15	.53	A21B154	.26	.53	A21C154	.29	.78	A21E154	.38	1.17	A21F154
.18	.16	.40	A21Z184	.15	.53	A21B184	.28	.53	A21C184	.32	.78	A21E184	.42	1.17	A21F184
.22	.17	.40	A21Z224	.16	.53	A21B224	.24	.68	A21C224	.35	.78	A21E224	.46	1.17	A21F224
.27	.19	.40	A21Z274	.18	.53	A21B274	.26	.68	A21C274	.39	.78	A21E274	.51	1.17	A21F274
.33	.21	.40	A21Z334	.20	.53	A21B334	.30	.68	A21C334	.38	.95	A21E334	.55	1.17	A21F334
.39	.22	.40	A21Z394	.21	.53	A21B394	.27	.78	A21C394	.36	1.17	A21E394	.53	1.45	A21F394
.47	.24	.40	A21Z474	.23	.53	A21B474	.30	.78	A21C474	.39	1.17	A21E474	.59	1.45	A21F474
.56	.18	.53	A21Z564	.25	.53	A21B564	.32	.78	A21C564	.42	1.17	A21E564	.57	1.70	A21F564
.68	.19	.53	A21Z684	.28	.53	A21B684	.35	.78	A21C684	.46	1.17	A21E684	.58	1.95	A21F684
.82	.21	.53	A21Z824	.24	.68	A21B824	.39	.78	A21C824	.50	1.17	A21E824	.64	1.95	A21F824
1.0	.23	.53	A21Z105	.26	.68	A21B105	.38	.95	A21C105	.55	1.17	A21E105	.70	1.95	A21F105
1.2	.25	.53	A21Z125	.28	.68	A21B125	.36	1.17	A21C125	.53	1.45	A21E125	.76	1.95	A21F125
1.5	.28	.53	A21Z155	.27	.78	A21B155	.39	1.17	A21C155	.59	1.45	A21E155	.85	1.95	A21F155
1.8	.31	.53	A21Z185	.29	.78	A21B185	.43	1.17	A21C185	.58	1.70	A21E185			
2.0	.32	.53	A21Z205	.31	.78	A21B205	.45	1.17	A21C205	.56	1.95	A21E205			
3.0	.31	.65	A21Z305	.37	.78	A21B305	.55	1.17	A21C305	.68	1.95	A21E305			
4.0	.31	.78	A21Z405	.38	.95	A21B405	.55	1.45	A21C405	.78	1.95	A21E405			
5.0	.34	.78	A21Z505	.36	1.17	A21B505	.55	1.70	A21C505	.87	1.95	A21E505			
6.0	.37	.78	A21Z605	.39	1.17	A21B605	.59	1.70	A21C605						
8.0	.38	.90	A21Z805	.45	1.17	A21B805	.64	1.95	A21C805						
10.0	.48	.90	A21Z106	.57	1.17	A21B106	.81	1.95	A21C106						
12.0	.41	1.15	A21Z126	.62	1.17	A21B126	.89	1.95	A21C126						
15.0	.46	1.15	A21Z156	.61	1.45	A21B156	.98	1.95	A21C156						
18.0	.49	1.15	A21Z186	.66	1.45	A21B186	1.06	1.95	A21C186						
20.0	.52	1.15	A21Z206	.63	1.70	A21B206	1.12	1.95	A21C206						

Add letter to the end of the part number to specify the tolerance.

- ±20% = M
- ±10% = K
- ±5% = J
- ±3% = H
- ±2% = G
- ±1% = F



Bishop Electronics Corporation

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(562) 695-0446 (562) 692-9391 FAX : (562) 692-4008

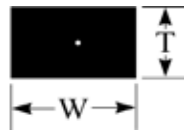
email: Sales@bishopelectronics.com

A31

METALIZED POLYESTER

Axial Lead

Plastic Case



LEAD LENGTH = 1.5" MIN.

Lead Gauge	35VDC	100VDC	200VDC	400VDC	600VDC
24AWG	.001 - 6.0	.001 - 1.8	.001 - .39	.001 - .15	.001 - .047
22AWG	8.0 - 20.0	2.0 - 6.0	.47 - 1.8	.18 - .56	.056 - .18
20AWG	—	8.0 - 15.0	2.0 - 5.0	.68 - 1.8	.22 - .56

MFD	35 VDC				100 VDC				200 VDC				400 VDC				600 VDC			
	T +01	W +01	L +03	PART NO.	T +01	W +01	L +03	PART NO.	T +01	W +01	L +03	PART NO.	T +01	W +01	L +03	PART NO.	T +01	W +01	L +03	PART NO.
.0010	.17	.29	.42	A31Z102	.17	.29	.42	A31B102	.17	.29	.42	A31C102	.17	.29	.42	A31E102	.17	.29	.42	A31F102
.0012	.17	.29	.42	A31Z122	.17	.29	.42	A31B122	.17	.29	.42	A31C122	.17	.29	.42	A31E122	.17	.29	.42	A31F122
.0015	.17	.29	.42	A31Z152	.17	.29	.42	A31B152	.17	.29	.42	A31C152	.17	.29	.42	A31E152	.17	.29	.42	A31F152
.0018	.17	.29	.42	A31Z182	.17	.29	.42	A31B182	.17	.29	.42	A31C182	.17	.29	.42	A31E182	.17	.29	.42	A31F182
.0022	.17	.29	.42	A31Z222	.17	.29	.42	A31B222	.17	.29	.42	A31C222	.17	.29	.42	A31E222	.17	.29	.42	A31F222
.0027	.17	.29	.42	A31Z272	.17	.29	.42	A31B272	.17	.29	.42	A31C272	.17	.29	.42	A31E272	.17	.29	.42	A31F272
.0033	.17	.29	.42	A31Z332	.17	.29	.42	A31B332	.17	.29	.42	A31C332	.17	.29	.42	A31E332	.17	.29	.55	A31F332
.0039	.17	.29	.42	A31Z392	.17	.29	.42	A31B392	.17	.29	.42	A31C392	.17	.29	.42	A31E392	.17	.29	.55	A31F392
.0047	.17	.29	.42	A31Z472	.17	.29	.42	A31B472	.17	.29	.42	A31C472	.17	.29	.42	A31E472	.17	.29	.55	A31F472
.0056	.17	.29	.42	A31Z562	.17	.29	.42	A31B562	.17	.29	.42	A31C562	.17	.29	.42	A31E562	.17	.29	.55	A31F562
.0068	.17	.29	.42	A31Z682	.17	.29	.42	A31B682	.17	.29	.42	A31C682	.17	.29	.42	A31E682	.17	.29	.55	A31F682
.0082	.17	.29	.42	A31Z822	.17	.29	.42	A31B822	.17	.29	.42	A31C822	.17	.29	.55	A31E822	.23	.36	.55	A31F822
.010	.17	.29	.42	A31Z103	.17	.29	.42	A31B103	.17	.29	.42	A31C103	.17	.29	.55	A31E103	.23	.36	.55	A31F103
.012	.17	.29	.42	A31Z123	.17	.29	.42	A31B123	.17	.29	.42	A31C123	.17	.29	.55	A31E123	.23	.36	.55	A31F123
.015	.17	.29	.42	A31Z153	.17	.29	.42	A31B153	.17	.29	.42	A31C153	.17	.29	.55	A31E153	.29	.42	.55	A31F153
.018	.17	.29	.42	A31Z183	.17	.29	.42	A31B183	.17	.29	.42	A31C183	.17	.29	.55	A31E183	.29	.42	.55	A31F183
.022	.17	.29	.42	A31Z223	.17	.29	.42	A31B223	.17	.29	.55	A31C223	.23	.36	.55	A31E223	.29	.42	.55	A31F223
.027	.17	.29	.42	A31Z273	.17	.29	.42	A31B273	.17	.29	.55	A31C273	.23	.36	.55	A31E273	.29	.42	.67	A31F273
.033	.17	.29	.42	A31Z333	.17	.29	.42	A31B333	.17	.29	.55	A31C333	.23	.36	.55	A31E333	.29	.42	.67	A31F333
.039	.17	.29	.42	A31Z393	.17	.29	.42	A31B393	.17	.29	.55	A31C393	.29	.42	.55	A31E393	.29	.42	.82	A31F393
.047	.17	.29	.42	A31Z473	.17	.29	.42	A31B473	.17	.29	.55	A31C473	.29	.42	.55	A31E473	.29	.42	.82	A31F473
.056	.17	.29	.42	A31Z563	.17	.29	.42	A31B563	.17	.29	.55	A31C563	.29	.42	.55	A31E563	.39	.54	.82	A31F563
.068	.17	.29	.42	A31Z683	.17	.29	.42	A31B683	.23	.36	.55	A31C683	.29	.42	.67	A31E683	.39	.54	.82	A31F683
.082	.17	.29	.42	A31Z823	.17	.29	.42	A31B823	.23	.36	.55	A31C823	.29	.42	.67	A31E823	.39	.54	.82	A31F823
.10	.17	.29	.42	A31Z104	.17	.29	.55	A31B104	.23	.36	.55	A31C104	.29	.42	.67	A31E104	.39	.54	1.04	A31F104
.12	.17	.29	.42	A31Z124	.17	.29	.55	A31B124	.23	.36	.55	A31C124	.29	.42	.82	A31E124	.39	.54	1.24	A31F124
.15	.17	.29	.42	A31Z154	.17	.29	.55	A31B154	.29	.42	.55	A31C154	.29	.42	.82	A31E154	.39	.54	1.24	A31F154
.18	.17	.29	.42	A31Z184	.17	.29	.55	A31B184	.29	.42	.55	A31C184	.39	.54	.82	A31E184	.39	.54	1.24	A31F184
.22	.17	.29	.42	A31Z224	.17	.29	.55	A31B224	.29	.42	.67	A31C224	.39	.54	.82	A31E224	.56	.72	1.24	A31F224
.27	.23	.36	.42	A31Z274	.23	.36	.55	A31B274	.29	.42	.67	A31C274	.39	.54	.82	A31E274	.56	.72	1.24	A31F274
.33	.23	.36	.42	A31Z334	.23	.36	.55	A31B334	.29	.42	.67	A31C334	.39	.54	1.04	A31E334	.56	.72	1.24	A31F334
.39	.23	.36	.42	A31Z394	.23	.36	.55	A31B394	.29	.42	.82	A31C394	.39	.54	1.24	A31E394	.56	.72	1.50	A31F394
.47	.23	.36	.42	A31Z474	.23	.36	.55	A31B474	.39	.54	.82	A31C474	.39	.54	1.24	A31E474	.56	.72	1.50	A31F474
.56	.17	.29	.55	A31Z564	.29	.42	.55	A31B564	.39	.54	.82	A31C564	.39	.54	1.24	A31E564	.56	.72	1.75	A31F564
.68	.23	.36	.55	A31Z684	.29	.42	.55	A31B684	.39	.54	.82	A31C684	.56	.72	1.24	A31E684				
.82	.23	.36	.55	A31Z824	.29	.42	.67	A31B824	.39	.54	.82	A31C824	.56	.72	1.24	A31E824				
1.0	.23	.36	.55	A31Z105	.29	.42	.67	A31B105	.39	.54	1.04	A31C105	.56	.72	1.24	A31E105				
1.2	.29	.42	.55	A31Z125	.29	.42	.67	A31B125	.39	.54	1.24	A31C125	.56	.72	1.50	A31E125				
1.5	.29	.42	.55	A31Z155	.29	.42	.82	A31B155	.39	.54	1.24	A31C155	.56	.72	1.50	A31E155				
1.8	.29	.42	.55	A31Z185	.29	.42	.82	A31B185	.39	.54	1.24	A31C185	.56	.72	1.75	A31E185				
2.0	.29	.42	.67	A31Z205	.39	.54	.82	A31B205	.56	.72	1.24	A31C205								
3.0	.29	.42	.67	A31Z305	.39	.54	.82	A31B305	.56	.72	1.24	A31C305								
4.0	.39	.54	.82	A31Z405	.39	.54	1.04	A31B405	.56	.72	1.50	A31C405								
5.0	.39	.54	.82	A31Z505	.39	.54	1.24	A31B505	.56	.72	1.75	A31C505								
6.0	.39	.54	.82	A31Z605	.39	.54	1.24	A31B605												
8.0	.50	.68	1.04	A31Z805	.56	.72	1.24	A31B805												
10.0	.50	.68	1.04	A31Z106	.56	.72	1.24	A31B106												
15.0	.50	.68	1.24	A31Z156	.56	.72	1.50	A31B126												
18.0	.50	.68	1.24	A31Z186	.56	.72	1.50	A31B156												
20.0	.50	.68	1.24	A31Z206																

Add letter to the end of the part number to specify the tolerance.

- ±20% = M
- ±10% = K
- ±5% = J
- ±3% = H
- ±2% = G
- ±1% = F



Bishop Electronics Corporation

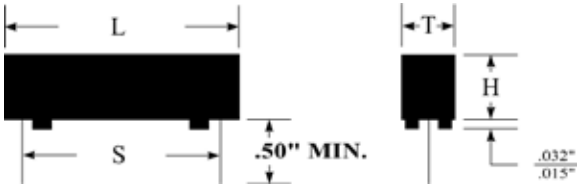
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 email: Sales@bishopelectronics.com

A32

METALIZED POLYESTER

Radial Lead

Plastic Case



Lead Gauge	35VDC	100VDC	200VDC	400VDC	600VDC
22AWG	.001 - 5.0	.001 - 1.8	.001 - .47	.001 - .15	.001 - .047
20AWG	6.0 - 20.0	2.0 - 15.0	.56 - 5.0	.18 - 1.8	.056 - .56

MFD	35 VDC					100 VDC					200 VDC					400 VDC					600 VDC				
	T ±.01	H ±.01	L ±.015	S ±.015	PART NO.	T ±.01	H ±.01	L ±.015	S ±.015	PART NO.	T ±.01	H ±.01	L ±.015	S ±.015	PART NO.	T ±.01	H ±.01	L ±.015	S ±.015	PART NO.	T ±.01	H ±.01	L ±.015	S ±.015	PART NO.
.0010	.18	.30	.42	.30	A32Z102	.18	.30	.42	.30	A32B102	.18	.30	.42	.30	A32C102	.18	.30	.42	.30	A32E102	.18	.30	.42	.30	A32F102
.0012	.18	.30	.42	.30	A32Z122	.18	.30	.42	.30	A32B122	.18	.30	.42	.30	A32C122	.18	.30	.42	.30	A32E122	.18	.30	.42	.30	A32F122
.0015	.18	.30	.42	.30	A32Z152	.18	.30	.42	.30	A32B152	.18	.30	.42	.30	A32C152	.18	.30	.42	.30	A32E152	.18	.30	.42	.30	A32F152
.0018	.18	.30	.42	.30	A32Z182	.18	.30	.42	.30	A32B182	.18	.30	.42	.30	A32C182	.18	.30	.42	.30	A32E182	.18	.30	.42	.30	A32F182
.0022	.18	.30	.42	.30	A32Z222	.18	.30	.42	.30	A32B222	.18	.30	.42	.30	A32C222	.18	.30	.42	.30	A32E222	.18	.30	.42	.30	A32F222
.0027	.18	.30	.42	.30	A32Z272	.18	.30	.42	.30	A32B272	.18	.30	.42	.30	A32C272	.18	.30	.42	.30	A32E272	.18	.30	.42	.30	A32F272
.0033	.18	.30	.42	.30	A32Z332	.18	.30	.42	.30	A32B332	.18	.30	.42	.30	A32C332	.18	.30	.42	.30	A32E332	.18	.30	.55	.40	A32F332
.0039	.18	.30	.42	.30	A32Z392	.18	.30	.42	.30	A32B392	.18	.30	.42	.30	A32C392	.18	.30	.42	.30	A32E392	.18	.30	.55	.40	A32F392
.0047	.18	.30	.42	.30	A32Z472	.18	.30	.42	.30	A32B472	.18	.30	.42	.30	A32C472	.18	.30	.42	.30	A32E472	.18	.30	.55	.40	A32F472
.0056	.18	.30	.42	.30	A32Z562	.18	.30	.42	.30	A32B562	.18	.30	.42	.30	A32C562	.18	.30	.42	.30	A32E562	.18	.30	.55	.40	A32F562
.0068	.18	.30	.42	.30	A32Z682	.18	.30	.42	.30	A32B682	.18	.30	.42	.30	A32C682	.18	.30	.42	.30	A32E682	.18	.30	.55	.40	A32F682
.0082	.18	.30	.42	.30	A32Z822	.18	.30	.42	.30	A32B822	.18	.30	.42	.30	A32C822	.18	.30	.55	.40	A32E822	.18	.30	.55	.40	A32F822
.010	.18	.30	.42	.30	A32Z103	.18	.30	.42	.30	A32B103	.18	.30	.42	.30	A32C103	.18	.30	.55	.40	A32E103	.24	.37	.55	.40	A32F103
.012	.18	.30	.42	.30	A32Z123	.18	.30	.42	.30	A32B123	.18	.30	.42	.30	A32C123	.18	.30	.55	.40	A32E123	.24	.37	.55	.40	A32F123
.015	.18	.30	.42	.30	A32Z153	.18	.30	.42	.30	A32B153	.18	.30	.42	.30	A32C153	.18	.30	.55	.40	A32E153	.24	.37	.55	.40	A32F153
.018	.18	.30	.42	.30	A32Z183	.18	.30	.42	.30	A32B183	.18	.30	.42	.30	A32C183	.18	.30	.55	.40	A32E183	.30	.43	.55	.40	A32F183
.022	.18	.30	.42	.30	A32Z223	.18	.30	.42	.30	A32B223	.18	.30	.55	.40	A32C223	.18	.30	.55	.40	A32E223	.30	.43	.55	.40	A32F223
.027	.18	.30	.42	.30	A32Z273	.18	.30	.42	.30	A32B273	.18	.30	.55	.40	A32C273	.24	.37	.55	.40	A32E273	.30	.43	.67	.50	A32F273
.033	.18	.30	.42	.30	A32Z333	.18	.30	.42	.30	A32B333	.18	.30	.55	.40	A32C333	.24	.37	.55	.40	A32E333	.30	.43	.67	.50	A32F333
.039	.18	.30	.42	.30	A32Z393	.18	.30	.42	.30	A32B393	.18	.30	.55	.40	A32C393	.24	.37	.55	.40	A32E393	.30	.43	.82	.60	A32F393
.047	.18	.30	.42	.30	A32Z473	.18	.30	.42	.30	A32B473	.18	.30	.55	.40	A32C473	.30	.43	.55	.40	A32E473	.30	.43	.82	.60	A32F473
.056	.18	.30	.42	.30	A32Z563	.18	.30	.42	.30	A32B563	.18	.30	.55	.40	A32C563	.30	.43	.55	.40	A32E563	.40	.55	.82	.60	A32F563
.068	.18	.30	.42	.30	A32Z683	.18	.30	.42	.30	A32B683	.18	.30	.55	.40	A32C683	.30	.43	.67	.50	A32E683	.40	.55	.82	.60	A32F683
.082	.18	.30	.42	.30	A32Z823	.18	.30	.42	.30	A32B823	.24	.37	.55	.40	A32C823	.30	.43	.67	.50	A32E823	.40	.55	.82	.60	A32F823
.10	.18	.30	.42	.30	A32Z104	.18	.30	.55	.40	A32B104	.24	.37	.55	.40	A32C104	.30	.43	.67	.50	A32E104	.40	.55	1.04	.80	A32F104
.12	.18	.30	.42	.30	A32Z124	.18	.30	.55	.40	A32B124	.24	.37	.55	.40	A32C124	.30	.43	.82	.60	A32E124	.40	.55	1.24	1.10	A32F124
.15	.18	.30	.42	.30	A32Z154	.18	.30	.55	.40	A32B154	.30	.43	.55	.40	A32C154	.30	.43	.82	.60	A32E154	.40	.55	1.24	1.10	A32F154
.18	.18	.30	.42	.30	A32Z184	.18	.30	.55	.40	A32B184	.30	.43	.55	.40	A32C184	.40	.55	.82	.60	A32E184	.40	.55	1.24	1.10	A32F184
.22	.18	.30	.42	.30	A32Z224	.18	.30	.55	.40	A32B224	.30	.43	.67	.50	A32C224	.40	.55	.82	.60	A32E224	.57	.73	1.24	1.10	A32F224
.27	.18	.30	.42	.30	A32Z274	.18	.30	.55	.40	A32B274	.30	.43	.67	.50	A32C274	.40	.55	.82	.60	A32E274	.57	.73	1.24	1.10	A32F274
.33	.18	.30	.55	.40	A32Z334	.24	.37	.55	.40	A32B334	.30	.43	.67	.50	A32C334	.40	.55	1.04	.80	A32E334	.57	.73	1.24	1.10	A32F334
.39	.18	.30	.55	.40	A32Z394	.24	.37	.55	.40	A32B394	.30	.43	.82	.60	A32C394	.40	.55	1.24	1.10	A32E394	.57	.73	1.75	1.60	A32F394
.47	.18	.30	.55	.40	A32Z474	.24	.37	.55	.40	A32B474	.30	.43	.82	.60	A32C474	.40	.55	1.24	1.10	A32E474	.57	.73	1.75	1.60	A32F474
.56	.18	.30	.55	.40	A32Z564	.30	.43	.55	.40	A32B564	.40	.55	.82	.60	A32C564	.40	.55	1.24	1.10	A32E564	.57	.73	1.75	1.60	A32F564
.68	.18	.30	.55	.40	A32Z684	.30	.43	.55	.40	A32B684	.40	.55	.82	.60	A32C684	.57	.73	1.24	1.10	A32E684					
.82	.24	.37	.55	.40	A32Z824	.30	.43	.67	.50	A32B824	.40	.55	.82	.60	A32C824	.57	.73	1.24	1.10	A32E824					
1.0	.24	.37	.55	.40	A32Z105	.30	.43	.67	.50	A32B105	.40	.55	1.04	.80	A32C105	.57	.73	1.24	1.10	A32E105					
1.2	.24	.37	.55	.40	A32Z125	.30	.43	.67	.50	A32B125	.40	.55	1.24	1.10	A32C125	.57	.73	1.75	1.60	A32E125					
1.5	.30	.43	.55	.40	A32Z155	.30	.43	.82	.60	A32B155	.40	.55	1.24	1.10	A32C155	.57	.73	1.75	1.60	A32E155					
1.8	.30	.43	.55	.40	A32Z185	.30	.43	.82	.60	A32B185	.40	.55	1.24	1.10	A32C185	.57	.73	1.75	1.60	A32E185					
2.0	.30	.43	.55	.40	A32Z205	.40	.55	.82	.60	A32B205	.57	.73	1.24	1.10	A32C205										
3.0	.30	.43	.67	.50	A32Z305	.40	.55	.82	.60	A32B305	.57	.73	1.24	1.10	A32C305										
4.0	.30	.43	.82	.60	A32Z405	.40	.55	1.04	.80	A32B405	.57	.73	1.75	1.60	A32C405										
5.0	.40	.55	.82	.60	A32Z505	.40	.55	1.24	1.10	A32B505	.57	.73	1.75	1.60	A32C505										
6.0	.40	.55	.82	.60	A32Z605	.40	.55	1.24	1.10	A32B605															
8.0	.40	.55	1.04	.80	A32Z805	.57	.73	1.24	1.10	A32B805															
10.0	.40	.59	1.04	.80	A32Z106	.57	.73	1.24	1.10	A32B106															
12.0	.57	.73	1.24	1.10	A32Z126	.57	.73	1.75	1.60	A32B126															
15.0	.57	.73	1.24	1.10	A32Z156	.57	.73	1.75	1.60	A32B156															
18.0	.57	.73	1.24	1.10	A32Z186																				
20.0	.57	.78	1.24	1.10	A32Z206																				

Add letter to the end of the part number to specify the tolerance.

- ±20% = M
- ±10% = K
- ±5% = J
- ±3% = H
- ±2% = G
- ±1% = F

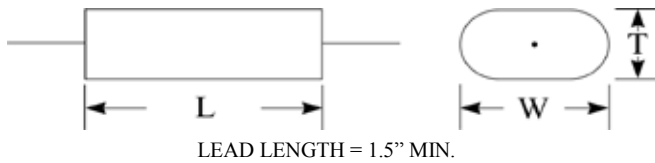


Bishop Electronics Corporation

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A41

METALIZED POLYESTER



Lead Gauge	FLAT			Wrap & Fill	
	100VDC	200VDC	400VDC	400VDC	600VDC
24AWG	.001 - 1.2	.001 - .68	.001 - .39	.001 - .10	.001 - .10
22AWG	1.5 - 12.0	.82 - 4.0	.47 - 1.8	.12 - .68	.12 - .68
20AWG	15.0 - 20.0	5.0 - 10.0	2.0	.82 - 1.2	.82 - 1.2

MFD	100 VDC				200 VDC				400 VDC				600 VDC			
	T +.05	W +.05	L +.05	PART NO.	T +.05	W +.05	L +.05	PART NO.	T +.05	W +.05	L +.05	PART NO.	T +.05	W +.05	L +.05	PART NO.
.0010	.09	.18	.40	A41B102	.09	.18	.40	A41C102	.09	.18	.40	A41E102	.09	.18	.40	A41F102
.0012	.09	.18	.40	A41B122	.09	.18	.40	A41C122	.09	.18	.40	A41E122	.09	.18	.40	A41F122
.0015	.09	.18	.40	A41B152	.09	.18	.40	A41C152	.09	.18	.40	A41E152	.09	.18	.40	A41F152
.0018	.09	.18	.40	A41B182	.09	.18	.40	A41C182	.09	.18	.40	A41E182	.09	.18	.40	A41F182
.0022	.09	.18	.40	A41B222	.09	.18	.40	A41C222	.09	.18	.40	A41E222	.09	.18	.40	A41F222
.0027	.09	.18	.40	A41B272	.09	.18	.40	A41C272	.09	.18	.40	A41E272	.09	.18	.40	A41F272
.0033	.09	.18	.40	A41B332	.09	.18	.40	A41C332	.09	.18	.40	A41E332	.09	.18	.56	A41F332
.0039	.09	.18	.40	A41B392	.09	.18	.40	A41C392	.09	.18	.40	A41E392	.09	.18	.56	A41F392
.0047	.09	.18	.40	A41B472	.09	.18	.40	A41C472	.09	.18	.40	A41E472	.09	.18	.56	A41F472
.0056	.09	.18	.40	A41B562	.09	.18	.40	A41C562	.10	.20	.40	A41E562	.09	.18	.56	A41F562
.0068	.09	.18	.40	A41B682	.09	.18	.40	A41C682	.11	.21	.40	A41E682	.09	.25	.56	A41F682
.0082	.09	.18	.40	A41B822	.09	.18	.40	A41C822	.09	.18	.53	A41E822	.09	.27	.56	A41F822
.010	.09	.18	.40	A41B103	.09	.18	.40	A41C103	.09	.18	.53	A41E103	.09	.27	.56	A41F103
.012	.09	.18	.40	A41B123	.09	.18	.40	A41C123	.09	.18	.53	A41E123	.09	.28	.56	A41F123
.015	.09	.18	.40	A41B153	.09	.18	.40	A41C153	.09	.18	.53	A41E153	.09	.35	.56	A41F153
.018	.09	.18	.40	A41B183	.10	.20	.40	A41C183	.09	.21	.53	A41E183	.10	.38	.56	A41F183
.022	.09	.18	.40	A41B223	.09	.18	.53	A41C223	.09	.26	.53	A41E223	.11	.31	.69	A41F223
.027	.09	.18	.40	A41B273	.09	.18	.53	A41C273	.09	.27	.53	A41E273	.12	.32	.69	A41F273
.033	.09	.18	.40	A41B333	.09	.18	.53	A41C333	.09	.28	.53	A41E333	.12	.40	.69	A41F333
.039	.09	.18	.40	A41B393	.09	.18	.53	A41C393	.10	.29	.53	A41E393	.13	.42	.69	A41F393
.047	.09	.18	.40	A41B473	.09	.18	.53	A41C473	.11	.31	.53	A41E473	.16	.45	.69	A41F473
.056	.09	.18	.40	A41B563	.11	.20	.53	A41C563	.12	.42	.53	A41E563	.14	.43	.81	A41F563
.068	.10	.19	.40	A41B683	.12	.20	.53	A41C683	.10	.30	.65	A41E683	.17	.46	.81	A41F683
.082	.11	.20	.40	A41B823	.09	.26	.53	A41C823	.13	.32	.65	A41E823	.19	.49	.81	A41F823
.10	.12	.32	.40	A41B104	.09	.26	.53	A41C104	.14	.43	.65	A41E104	.19	.58	.81	A41F104
.12	.13	.33	.40	A41B124	.09	.38	.53	A41C124	.16	.45	.65	A41E124	.22	.61	.81	A41F124
.15	.09	.25	.53	A41B154	.11	.39	.53	A41C154	.19	.48	.65	A41E154	.18	.67	.95	A41F154
.18	.10	.26	.53	A41B184	.11	.40	.65	A41C184	.15	.45	.78	A41E184	.20	.69	.95	A41F184
.22	.10	.27	.53	A41B224	.13	.42	.65	A41C224	.17	.47	.78	A41E224	.24	.73	.95	A41F224
.27	.12	.28	.53	A41B274	.12	.42	.78	A41C274	.18	.56	.78	A41E274	.23	.74	1.21	A41F274
.33	.12	.33	.53	A41B334	.15	.45	.78	A41C334	.16	.55	.95	A41E334	.28	.77	1.21	A41F334
.39	.13	.36	.53	A41B394	.18	.47	.78	A41C394	.17	.57	.95	A41E394	.25	.74	1.45	A41F394
.47	.13	.42	.53	A41B474	.18	.57	.78	A41C474	.20	.60	.95	A41E474	.26	.84	1.45	A41F474
.56	.13	.42	.65	A41B564	.15	.54	.78	A41C564	.24	.63	.95	A41E564	.26	.75	1.95	A41F564
.68	.14	.43	.65	A41B684	.17	.56	.78	A41C684	.27	.67	.95	A41E684	.27	.85	1.95	A41F684
.82	.15	.44	.65	A41B824	.20	.59	.78	A41C824	.24	.72	1.15	A41E824	.31	.90	1.95	A41F824
1.0	.13	.43	.78	A41B105	.23	.62	.78	A41C105	.27	.76	1.15	A41E105	.36	.95	1.95	A41F105
1.2	.15	.45	.78	A41B125	.26	.66	.78	A41C125	.31	.90	1.15	A41E125	.41	1.00	1.95	A41F125
1.5	.17	.46	.78	A41B155	.28	.58	.95	A41C155	.28	.76	1.40	A41E155				
1.8	.18	.47	.78	A41B185	.28	.68	.95	A41C185	.33	.82	1.40	A41E185				
2.0	.15	.45	.95	A41B205	.28	.58	1.15	A41C205	.30	.81	1.65	A41E205				
3.0	.15	.46	1.15	A41B305	.34	.74	1.15	A41C305								
4.0	.19	.49	1.15	A41B405	.40	.90	1.15	A41C405								
5.0	.16	.55	1.40	A41B505	.40	.90	1.40	A41C505								
6.0	.18	.57	1.40	A41B605	.46	.76	1.65	A41C605								
8.0	.23	.61	1.40	A41B805	.49	.96	1.65	A41C805								
10.0	.27	.66	1.40	A41B106	.57	1.06	1.65	A41C106								
12.0	.27	.68	1.95	A41B126												
15.0	.24	.73	1.95	A41B156												
18.0	.28	.76	1.95	A41B186												
20.0	.30	.80	1.95	A41B206												

Add letter to the end of the part number to specify the tolerance.

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