Introduction

Foreword



KYOCERA AVX offers a broad line of solid Tantalum capacitors in a wide range of sizes, styles, and ratings to meet any design needs. This catalog combines into one source KYOCERA AVX's leaded tantalum capacitor information from its worldwide tantalum operations.

The TAP/TEP is rated for use from -55°C to +85°C at rated voltage and up to +125°C with voltage derating. There are three preferred wire forms to choose from which are available on tape and reel, and in bulk for hand insertion.

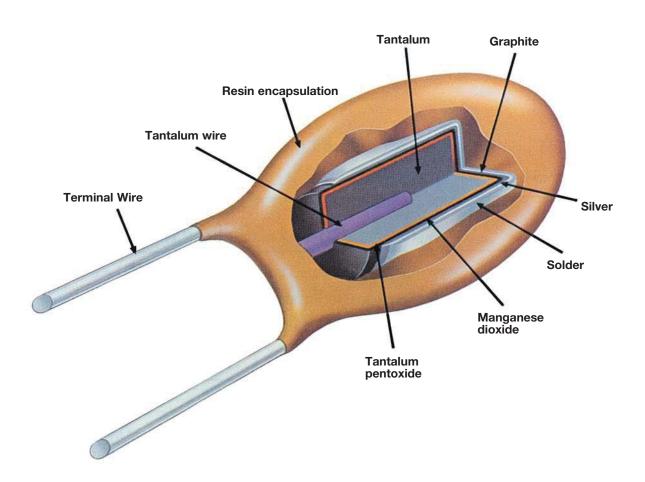
KYOCERA AVX has a complete tantalum applications service available for use by all our customers. With the capability to prototype and mass produce solid tantalum capacitors in special configurations, almost any design need can be fulfilled. And if the customer requirements are outside our standard testing, KYOCERA AVX will work with you to define and implement a test or screening plan.

KYOCERA AVX is determined to become the world leader in tantalum capacitor technology and has made, and is continuing to make, significant investments in equipment and research to reach that end. We believe that the investment has paid off with the devices shown on the following pages.

DIPPED RADIAL CAPACITORS

SOLID TANTALUM RESIN DIPPED SERIES TAP/TEP

The TAP/TEP resin dipped series of miniature tantalum capacitors is available for individual needs in both commercial and professional applications. From computers to automotive to industrial, KYOCERA AVX has a dipped radial for almost any application.



KUDEERA KW/K I The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

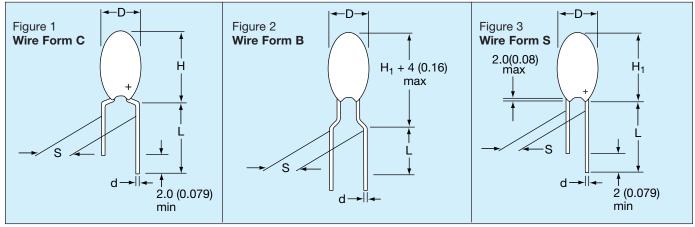
230

Dipped Radial Capacitors Wire Form Outline

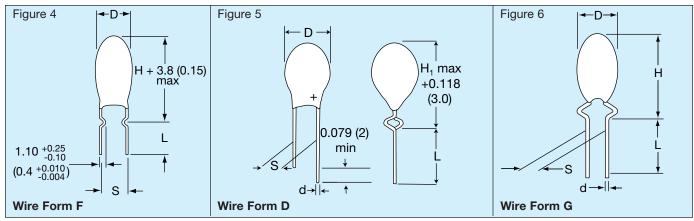


SOLID TANTALUM RESIN DIPPED TAP/TEP

Preferred Wire Forms



Non-Preferred Wire Forms (Not recommended for new designs)



DIMENSIONS

millimeters (inches)

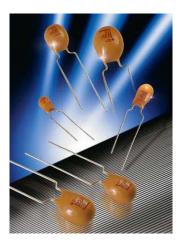
Wire Form	Figure	Case Size	L (see note 1)	S	d	Packaging Suffixes Available*		
Preferred W	ire Forms							
С	Figure 1	A - R*	16.0±4.00 (0.630±0.160)	5.00±1.00 (0.200±0.040)	0.50±0.05 (0.020±0.002)	CCS Bulk CRW Tape/Reel CRS Tape/Ammo		
В	Figure 2	A - J*	16.0±4.00 (0.630±0.160)	5.00±1.00 (0.200±0.040)	0.50±0.05 (0.020±0.002)	BRW Tape/Reel BRS Tape/Ammo		
S	Figure 3	A - J*	16.0±4.00 (0.630±0.160)	2.50±0.50 (0.100±0.020)	0.50±0.05 (0.020±0.002)	SCS Bulk SRW Tape/Reel SRS Tape/Ammo		
Non-Preferr	ed Wire Forms	(Not recomme	ended for new desig	ns)				
F	Figure 4	A - R	3.90±0.75 (0.155±0.030)	5.00±0.50 (0.200±0.020)	0.50±0.05 (0.020±0.002)	FCS Bulk		
D	Figure 5	A - H*	16.0±4.00 (0.630±0.160)	2.50±0.75 (0.100±0.020)	0.50±0.05 (0.020±0.002)	DCS Bulk DTW Tape/Reel DTS Tape/Ammo		
G	Figure 6	A - J	16.0±4.00 (0.630±0.160)	3.18±0.50 (0.125±0.020)	0.50±0.05 (0.020±0.002)	GSB Bulk		
Н	Similar to Figure 1	A - R	16.0±4.00 (0.630±0.160)	6.35±1.00 (0.250±0.040)	0.50±0.05 (0.020±0.002)	HSB Bulk		

Notes: (1) Lead lengths can be supplied to tolerances other than those above and should be specified in the ordering information. (2) For D, H, and H1 dimensions, refer to individual product on following pages.
* For case size availability in tape and reel, please refer to pages 253-254.

KUDEERa The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.



SOLID TANTALUM RESIN DIPPED CAPACITORS



TAP is a professional grade device manufactured with a flame retardant coating and featuring low leakage current and impedance, very small physical sizes and exceptional temperature stability. It is designed and conditioned to operate to +125°C (see page 282 for voltage derating above 85°C) and is available loose or taped and reeled for auto insertion. The 15 case sizes with wide capacitance and working voltage ranges means the TAP can accommodate almost any application.

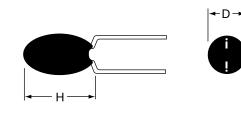
MAXIMUM CASE DIMENSIONS:

millimeters (inches)

Wire	C, F, G, H	B, S, D	
Case	Н	*H ₁	D
A	8.50 (0.330)	7.00 (0.280)	4.50 (0.180)
В	9.00 (0.350)	7.50 (0.300)	4.50 (0.180)
С	10.0 (0.390)	8.50 (0.330)	5.00 (0.200)
D	10.5 (0.410)	9.00 (0.350)	5.00 (0.200)
E	10.5 (0.410)	9.00 (0.350)	5.50 (0.220)
F	11.5 (0.450)	10.0 (0.390)	6.00 (0.240)
G	11.5 (0.450)	10.0 (0.390)	6.50 (0.260)
Н	12.0 (0.470)	10.5 (0.410)	7.00 (0.280)
J	13.0 (0.510)	11.5 (0.450)	8.00 (0.310)
K	14.0 (0.550)	12.5 (0.490)	8.50 (0.330)
L	14.0 (0.550)	12.5 (0.490)	9.00 (0.350)
М	14.5 (0.570)	13.0 (0.510)	9.00 (0.350)
N	16.0 (0.630)		9.00 (0.350)
Р	17.0 (0.670)		10.0 (0.390)
R	18.5 (0.730)		10.0 (0.390)







HOW TO ORDER



475 Μ 035 **Capacitance Code Capacitance Tolerance** pF code: 1st two digits K = ±10% represent significant M = ±20% figure's, 3rd digit represents (For J = ±5% tolerance,

please consult factory)

multiplier (number of zeros

to follow)

Rated DC Voltage



KUDEERa The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

040920

232

Dipped Radial Capacitors TAP Series



TECHNICAL SPECIFICATIONS

Technical Data:	All technical data relate to an ambient temperature of +25°C												
Capacitance Range:	0.10 μF to 330 μF												
Capacitance Tolerance:			±20%; ±10% (±5% consult your representative for details)										
Rated Voltage DC (V _R)	d Voltage DC (V_R) \leq +85°C:				20	25	35	50					
Category Voltage (V _c)	≤ +125°C:	4	6.3	10	13	16	23	33					
Surge Voltage (V _s)	≤ +85°C:	8	13	20	26	33	46	65					
Surge Voltage (V _s)	5	9	12	16	21	28	40						
Temperature Range:	-55°C to +125°C												
Environmental Classification:	55/125/56 (IEC 68-2)												
Dissipation Factor:	≤0.04 for C _R 0.1-1.5µF												
	≤0.06 for C _R 2.2-6.8µF												
	≤0.08 for C _R 10-68µF												
					≤0.10 for C _p 100-330µF								
Reliability:		1% per 1000 hrs. at 85°C with 0.1 Ω /V series impedance, 60% confidence level.											
Qualification:	CECC 30201 - 032												

CAPACITANCE AND RATED VOLTAGE RANGE (LETTER DENOTES CASE SIZE)

Capac	itance	Rated Voltage DC (V _R)						
μF	Code	6.3V	10V	16V	20V	25V	35V	50V
0.10	104						А	А
0.15	154						А	A
0.22	224						А	A
0.33	334						А	A
0.47	474						A	A
0.68	684						А	В
1.0	105				A	A	A	С
1.5	155			A	A	A	A	D
2.2	225		А	A	A	A	В	E
3.3	335	А	А	A	В	В	С	F
4.7	475	А	А	В	С	С	E	G
6.8	685	А	В	С	D	D	F	Н
10	106	В	С	D	E	E	F	J
15	156	С	D	E	F	F	Н	K
22	226	D	E	F	Н	Н	К	L
33	336	E	F	F	J	J	М	
47	476	F	G	J	K	М	N	
68	686	G	Н	L	N	N		
100	107	Н	К	N	N			
150	157	К	Ν	N				
220	227	М	Р	R				
330	337	Р	R					

Values outside this standard range may be available on request.

KYOCERA AVX reserves the right to supply capacitors to a higher voltage rating, in the same case size, than that ordered.

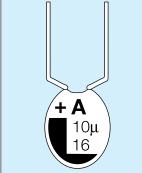
MARKING

Polarity, capacitance, rated DC voltage, and an "A" (KYOCERA AVX logo) are laser marked on the capacitor body which is made of flame retardant gold epoxy resin with a limiting oxygen index in excess of 30 (ASTM-D-2863).

- Polarity Tolerance code:
- Capacitance
- Voltage
- KYOCERA AVX logo

 $\pm 20\%$ = Standard (no marking) $\pm 10\%$ = "K" on reverse side of unit

 $\pm 5\%$ = "J" on reverse side of unit



The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

RATINGS AND PART NUMBER REFERENCE

Part Number	Case Size	Capacitance (µF)	DCL (µA) Max.	DF % Max.	ESR Max. (Ω) @ 100 kHz	Part Number	Case Size	Capacitance (µF)	DCL (µA) Max.	DF % Max.	ESR Max. (Ω) @ 100 kHz	
	6.3 v	olt @ 85°C (4					25 vo	25 volt @ 85°C (16 volt @ 125°C)				
TAP 335(*)006	A	3.3	0.5	6	13.0	TAP 105(*)025	Α	1.0	0.5	4	10.0	
TAP 475(*)006	Α	4.7	0.5	6	10.0	TAP 155(*)025	Α	1.5	0.5	4	8.0	
TAP 685(*)006	Α	6.8	0.5	6	8.0	TAP 225(*)025	Α	2.2	0.5	6	6.0	
TAP 106(*)006	B	10	0.5	8	6.0	TAP 335(*)025	В	3.3	0.6	6	5.0	
TAP 156(*)006	C	15	0.8	8	5.0	TAP 475(*)025	C	4.7	0.9	6	4.0	
TAP 226(*)006	D	22	1.1	8	3.7	TAP 685(*)025	D	6.8	1.3	6	3.1	
TAP 336(*)006	E	33	1.7	8	3.0	TAP 106(*)025	E	10	2.0	8	2.5	
TAP 476(*)006	F	47	2.4	8	2.0	TAP 156(*)025	F	15	3.0	8	2.0	
TAP 686(*)006	G	68	3.4	8	1.8	TAP 226(*)025	H	22	4.4	8	1.5	
TAP 107(*)006	H	100	5.0	10	1.6	TAP 336(*)025	J	33	6.6	8	1.2	
TAP 157(*)006	K	150	7.6	10	0.9	TAP 476(*)025	M	47	9.4	8	1.0	
TAP 227(*)006	M	220	11.0	10	0.9	TAP 686(*)025	N	68	13.6	8	0.8	
TAP 337(*)006	P	330	16.6	10	0.7	171 000()020		olt @ 85°C (23 \			0.0	
1741 007()000		lt @ 85°C (6.3		-	0.7	TAP 104(*)035	A	0.1	0.5	4	26.0	
TAP 225(*)010	A	2.2	0.5	6	13.0	TAP 154(*)035	A	0.15	0.5	4	21.0	
TAP 335(*)010	A	3.3	0.5	6	10.0	TAP 134()033	A	0.13	0.5	4	17.0	
TAP 475(*)010	A	4.7	0.5	6	8.0	TAP 334(*)035	A	0.22	0.5	4	17.0	
TAP 685(*)010	B	6.8	0.5	6	6.0	TAP 334(*)035	A	0.33	0.5	4	13.0	
TAP 085(*)010 TAP 106(*)010	C	10	0.5	8	5.0	TAP 474(*)035	A	0.47	0.5	4	10.0	
TAP 106(*)010 TAP 156(*)010	D	10	1.2	8	3.7	TAP 084(*)035	A	1.0	0.5	4	8.0	
	_									4		
TAP 226(*)010	E	22	1.7	8	2.7	TAP 155(*)035	A	1.5	0.5		6.0	
TAP 336(*)010	F	33 47	2.6	8	2.1	TAP 225(*)035	B	2.2	0.6	6	5.0	
TAP 476(*)010	G		3.7	8	1.7	TAP 335(*)035	C	3.3	0.9	6	4.0	
TAP 686(*)010	H	68	5.4	8	1.3	TAP 475(*)035	E	4.7	1.3	6	3.0	
TAP 107(*)010	K	100	8.0	10	1.0	TAP 685(*)035	F	6.8	1.9	6	2.5	
TAP 157(*)010	N	150	12.0	10	0.8	TAP 106(*)035	F	10	2.8	8	2.0	
TAP 227(*)010	P	220	17.6	10	0.6	TAP 156(*)035	H	15	4.2	8	1.6	
FAP 337(*)010	R	330	20.0	10	0.5	TAP 226(*)035	K	22	6.1	8	1.3	
	1	olt @ 85°C (10			10.0	TAP 336(*)035	M	33	9.2	8	1.0	
AP 155(*)016	A	1.5	0.5	4	10.0	TAP 476(*)035	N	47	10.0	8	0.8	
TAP 225(*)016	A	2.2	0.5	6	8.0		-	olt @ 85°C (33 v				
TAP 335(*)016	A	3.3	0.5	6	6.0	TAP 104(*)050	A	0.1	0.5	4	26.0	
TAP 475(*)016	B	4.7	0.6	6	5.0	TAP 154(*)050	A	0.15	0.5	4	21.0	
TAP 685(*)016	C	6.8	0.8	6	4.0	TAP 224(*)050	A	0.22	0.5	4	17.0	
TAP 106(*)016	D	10	1.2	8	3.2	TAP 334(*)050	A	0.33	0.5	4	15.0	
TAP 156(*)016	E	15	1.9	8	2.5	TAP 474(*)050	A	0.47	0.5	4	13.0	
TAP 226(*)016	F	22	2.8	8	2.0	TAP 684(*)050	В	0.68	0.5	4	10.0	
TAP 336(*)016	F	33	4.2	8	1.6	TAP 105(*)050	C	1.0	0.5	4	8.0	
TAD /76/*)016	J	47	6.0	8	1.3	TAP 155(*)050	D	1.5	0.6	4	6.0	
		68	8.7	8	1.0	TAP 225(*)050	E	2.2	0.8	6	3.5	
TAP 686(*)016	L						_			6	3.0	
TAP 686(*)016 TAP 107(*)016	N	100	12.8	10	0.8	TAP 335(*)050	F	3.3	1.3	6		
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016	N N	100 150	19.2	10	0.6	TAP 335(*)050 TAP 475(*)050	F G	4.7	1.8	6	2.5	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016	N N R	100 150 220	19.2 20.0	10 10		TAP 335(*)050 TAP 475(*)050 TAP 685(*)050	F G H	4.7 6.8	1.8 2.7	6 6	2.0	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016	N N R	100 150	19.2 20.0	10 10)	0.6	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050	F G H J	4.7 6.8 10	1.8 2.7 4.0	6 6 8	2.0 1.6	
TAP 476(*)016 TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 205(*)020	N N R	100 150 220	19.2 20.0	10 10	0.6 0.5 10.0	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050	F G H	4.7 6.8	1.8 2.7	6 6	2.0	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020	N N R 20 vc	100 150 220 It @ 85°C (13 1.0 1.5	19.2 20.0 volt @ 125°C	10 10)	0.6 0.5	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050	F G H J	4.7 6.8 10	1.8 2.7 4.0	6 6 8	2.0 1.6	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020	N N R 20 vc A	100 150 220 blt @ 85°C (13 1.0 1.5 2.2	19.2 20.0 volt @ 125°C 0.5	10 10) 4	0.6 0.5 10.0 9.0 7.0	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050	F G H J K L	4.7 6.8 10 15 22	1.8 2.7 4.0 6.0 8.8	6 6 8 8 8 8	2.0 1.6 1.2 1.0	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020	N N R 20 vc A A	100 150 220 It @ 85°C (13 1.0 1.5	19.2 20.0 volt @ 125°C 0.5 0.5	10 10) 4 4	0.6 0.5 10.0 9.0	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance	F G H J K L e toleran	4.7 6.8 10 15 22 ce code; M for	1.8 2.7 4.0 6.0 8.8 ±20%, K for ±	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020	N R 20 vc A A A	100 150 220 blt @ 85°C (13 1.0 1.5 2.2	19.2 20.0 volt @ 125°C 0.5 0.5 0.5	10 10) 4 4 6	0.6 0.5 10.0 9.0 7.0	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020	N R 20 vc A A B	100 150 220 blt @ 85°C (13 1.0 1.5 2.2 3.3	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.5	10 10) 4 4 6 6	0.6 0.5 10.0 9.0 7.0 5.5	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020	N N R 20 vc A A B C	100 150 220 blt @ 85°C (13 1.0 1.5 2.2 3.3 4.7	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.5 0.7	10 10) 4 6 6 6	0.6 0.5 10.0 9.0 7.0 5.5 4.5	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020 TAP 106(*)020	N N R 20 vc A A B C D	100 150 220 blt @ 85°C (13 1.0 1.5 2.2 3.3 4.7 6.8	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.5 0.7 1.0	10 10) 4 6 6 6 6 6	0.6 0.5 10.0 9.0 7.0 5.5 4.5 3.6	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 227(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020 TAP 106(*)020	N R 20 vo A A A B C D E	100 150 220 blt @ 85°C (13 1.0 1.5 2.2 3.3 4.7 6.8 10	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.5 0.7 1.0 1.6	10 10) 4 6 6 6 6 6 8	0.6 0.5 10.0 9.0 7.0 5.5 4.5 3.6 2.9	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 227(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020 TAP 156(*)020 TAP 156(*)020	N N R 20 vc A A C D E F H	100 150 220 bit @ 85°C (13 1.0 1.5 2.2 3.3 4.7 6.8 10 15 22	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.7 1.0 1.6 2.4 3.5	10 10) 4 6 6 6 6 8 8 8 8 8	0.6 0.5 10.0 9.0 7.0 5.5 4.5 3.6 2.9 2.3 1.8	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 105(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020 TAP 156(*)020 TAP 156(*)020 TAP 226(*)020	N N R 20 vc A A B C D E F H J	100 150 220 bit @ 85°C (13 1.0 1.5 2.2 3.3 4.7 6.8 10 15 22 33	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.7 1.0 1.6 2.4 3.5 5.2	10 10 4 6 6 6 8 8 8 8 8 8	0.6 0.5 10.0 9.0 7.0 5.5 4.5 3.6 2.9 2.3 1.8 1.4	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	
TAP 686(*)016 TAP 107(*)016 TAP 157(*)016 TAP 227(*)016 TAP 227(*)020 TAP 155(*)020 TAP 225(*)020 TAP 335(*)020 TAP 475(*)020 TAP 685(*)020 TAP 106(*)020	N N R 20 vc A A C D E F H	100 150 220 bit @ 85°C (13 1.0 1.5 2.2 3.3 4.7 6.8 10 15 22	19.2 20.0 volt @ 125°C 0.5 0.5 0.5 0.7 1.0 1.6 2.4 3.5	10 10) 4 6 6 6 6 8 8 8 8 8	0.6 0.5 10.0 9.0 7.0 5.5 4.5 3.6 2.9 2.3 1.8	TAP 335(*)050 TAP 475(*)050 TAP 685(*)050 TAP 106(*)050 TAP 156(*)050 TAP 226(*)050 (*) Insert capacitance NOTE: Voltage rating:	F G H J K L e toleran s are mi	4.7 6.8 10 15 22 ce code; M for nimum values.	1.8 2.7 4.0 6.0 8.8 ±20%, K for ± KYOCERA AV	6 6 8 8 8 8 10% and J	2.0 1.6 1.2 1.0 for ±5%	

KUDEERA KW/// The Important Information/Disclaimer is incorporated in the catalog where these specifications came from or available online at www.kyocera-avx.com/disclaimer/ by reference and should be reviewed in full before placing any order.

234