

BW 15: Tip & Ring

15 Radial Leads — 250 V-



GENERAL DESCRIPTION

Non inductive, stacked, self healing, metallized polyester film capacitor. Insulated thermoplastic casing, polyurethane resin sealed. Radial connections. Also available in SMD version. (see below)

APPLICATIONS

AVX's « TIP & RING » or « ringer » metallized polyester film capacitors are designed as a standard telecom filter to block -48 Volts DC telephone line voltage and pass subscriber's AC signal pulse (16 to 25 Hz, 70 to 90 Vrms). The typical ringing Signal is shown in the enclosed figure. The ringer film capacitors are ideal for telecom/modem applications. This is a complement range to the AVX's ceramic one.

STANDARDIZATION

Generic specifications:

CEI 384-1/CECC 30000/UTE 83100

Sectional specifications:

CEI 384-2/CECC 30400/UTE 83151

NOMINAL VOLTAGE (V_R) AND CAPACITANCE VALUES (C_R) DEPENDING ON THE DIMENSIONS

S i z e	C a s e	DIMENSIONS: millimeters (inches)					DV/DT (V/ μ sec)	Ft (A ² .sec)	Ur-/Ur~ 250/100 Capacitance
		L Max	H Max	e Max	LS $\pm$ 0.4	$\varnothing$ +10%-0.05			
15	6	17.5 (0.689)	10.5 (0.413)	5 (0.197)	15 (0.591)	0.80 (0.031)	430	0.166	470 nF
	7	17.5 (0.689)	13.5 (0.531)	5 (0.197)	15 (0.591)	0.80 (0.031)	300	0.183	680 nF
	7	17.5 (0.689)	13.5 (0.531)	5 (0.197)	15 (0.591)	0.80 (0.031)	300	0.276	820 nF
	8	17.5 (0.689)	13.5 (0.531)	6.25 (0.246)	15 (0.591)	0.80 (0.031)	300	0.405	1 μ F
	9	17.5 (0.689)	14.5 (0.571)	8.50 (0.335)	15 (0.591)	0.80 (0.031)	50	0.159	1.5 μ F
	9	17.5 (0.689)	14.5 (0.571)	8.50 (0.335)	15 (0.591)	0.80 (0.031)	50	0.336	2.2 μ F

HOW TO ORDER

BW 15

Type

4

Class
PET

G

Voltage
250V

0105

Capacitance Value
EIA Code

K

Tolerance
 $\pm$ 10%

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Suffix
Tape and Reel

BW 15: Tip & Ring



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PERFORMANCE CHARACTERISTICS

Climatic category:	55/100/56
Capacitance (Cr):	See table
Tolerance:	±5%, ±10%
Nominal voltage:	250 V-
Test voltage (1.4Ur-2sec):	350 V-
Category voltage:	Ur at 100°C
Tangent of loss angle at 1 KHz (DF):	<90. 10 ⁻⁴
Insulation resistance between terminals under 100V-:	IR * C > 1 Gohm µF
Insulation resistance between terminals and case:	>30 Gohms

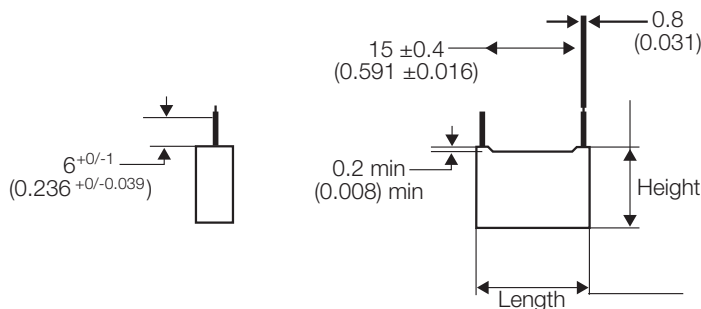
MARKING

Logo
 Type T BW 1 µ0 K
 Nominal Capacitance 250V-
 Tolerance (EIA code)
 DC nominal voltage

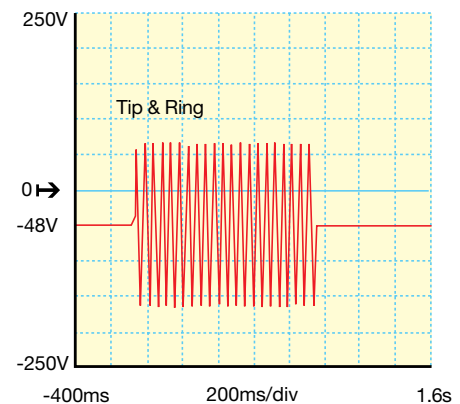
millimeters (inches)

Suffix	- -	EN	LG	KB	KC	KE	KH	K7
Description	Connections bulk length= 6mm±0.5 (0.236±0.020)	Tape & Reel	Connections bulk length= 3.2mm±0.4 (0.126±0.016)	Connections bulk length= 3.5mm±0.5 (0.138±0.020)	Connections bulk length= 4mm±0.5 (0.157±0.020)	Connections bulk length= 5mm±0.5 (0.197±0.020)	Connections bulk length= 9mm±0.5 (0.354±0.020)	Connections bulk length= 25mm±1 (0.984±0.039)

SCHEMATIC DRAWING



“TIP & RING” GRAPH



MOQ = PRIMARY PACKAGING

Size	Case	Reel (EN) Minimum	Bulk (—) Quantity
15	6	3000	3000
	7	3000	3000
	8	2499	3000
	9	2500	2000

FILM CHIP CAPACITORS

“Tip & Ring” film chip capacitors are designed also as a standard telecom filter.

		Size Code		H max	
		Standard Range	Extended Range	Standard Range	Extended Range
470 nF	0474	5040	4030	4.6	5.5
680 nF	0684	6054	5040	4.4	4.6
820 nF	0824	6054	5040	5	5.7
1 µF	0105	6054	5040	5.7	6.6
1.5 µF	0155		6054		5.9

PART NUMBER

CF
T
Type

18
T
Size Equivalent

2
T
Class
2=PET HT

G
T
Voltage
250 V = G

0105
T
Capacitance Value
10% = K
Code EIA

K
T
Tolerance

- -
T
Suffix

