

BW 15: TIP & RING 15 Radial leads-250 V-



DESCRIPTION

Non inductive, stacked, self healing, metallised 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 » metallised 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.

STANDARDISATION

Generic specifications:

CEI 384-1/CECC 30000/UTE 83100

Sectional specifications:

CEI 384-2/CECC 30400/UTE 83151



DIMENSIONS AND CAPACITANCE VALUES

Size	Case	millimeters (inches) DIMENSIONS (mm)					DV/DT (V/μsec)	P _t (A ² .sec)	Ur-/Ur~ 250/100
		L max	H max	e max	LS ±0,4	Ø +10%-0,05			Capacitance
	6	17,5(0,689)	10,50(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
15	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 μF
	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 μF
	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 μF

HOW TO ORDER

BW15

—
|
Type

4

—
|
Class
|
PET

G

—
|
Voltage
|
250V

0105

—
|
Capacitance
Value
|
EIA code

K

—
|
Tolerance
|
±10%

—
|
Suffix



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PERFORMANCE CHARACTERISTICS

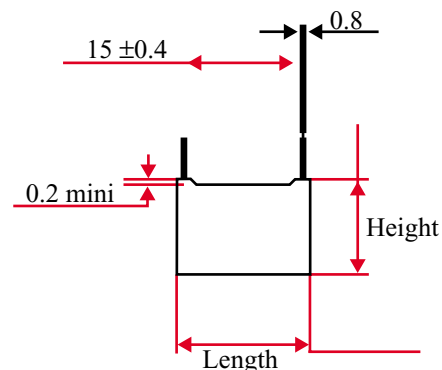
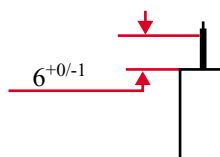
Climatic category	55 / 100 / 56
Capacitance (Cr)	See table
Tolerance	±5% ±10 %
Nominal voltage	250 V-
Test voltage (1.4Ur-2sec)	350 V-
Category voltage	Ur at 100°C
Tangent of loss angle at 1Khz (DF)	< 80. 10 ⁻⁴
Insulation resistance between terminals under 100V-	Ir * C > 1 Gohm µF
Insulation resistance between terminals and case	> 30 Gohms

MARKING

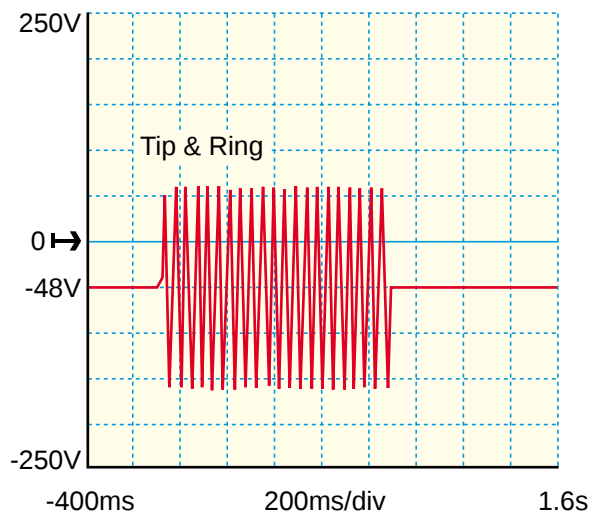
T BW 1 µ0 K	Logo
250 V-	Type
	Nominal capacitance
	Tolerance(EIA code)
	DC nominal voltage

SUFFIX	--	EN	LG	KB	KC	KE	KH	K7
Description	Connections bulk length= 6mm±0.5	Tape\$reel	Connections bulk length= 3.2mm±0.4	Connections bulk length= 3.5mm±0.5	Connections bulk length= 4mm±0.5	Connections bulk length= 5mm±0.5	Connections bulk length= 9mm±0.5	Connections bulk length= 25mm±1

SCHEMATIC DRAWING



« TIP&RING » GRAPH



MOQ= primary packaging

Size	Case	Reel (EN) Minimum	Bulk (—) Quantity
15	6	4000	6000
15	7	4000	6000
15	8	3332	6000
15	9	2500	8000



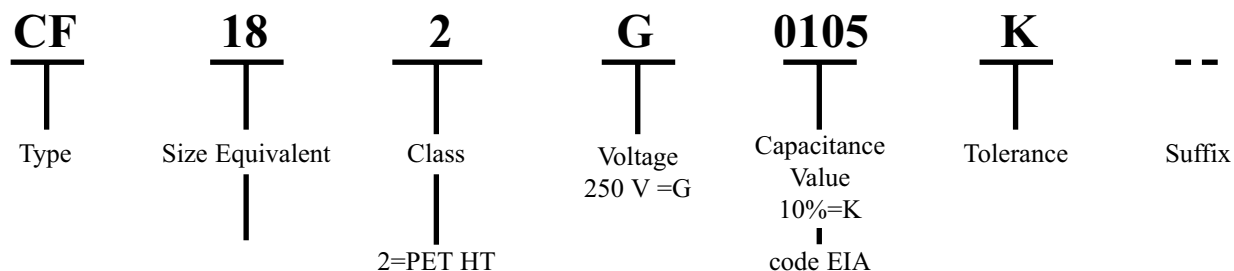
FILM CHIP CAPACITORS

« TIP&RING » film chip capacitors are designed also as a standard telecom filter

Standard range
Extended range

		Size Code	H max
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 μ F	0105	6054/5040	5.7/6.6
1.5 μ F	0155	6054	5.9

PART NUMBER SCHEME



PERFORMANCE CHARACTERISTICS AND PACKAGING: see catalog film chip capacitors

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