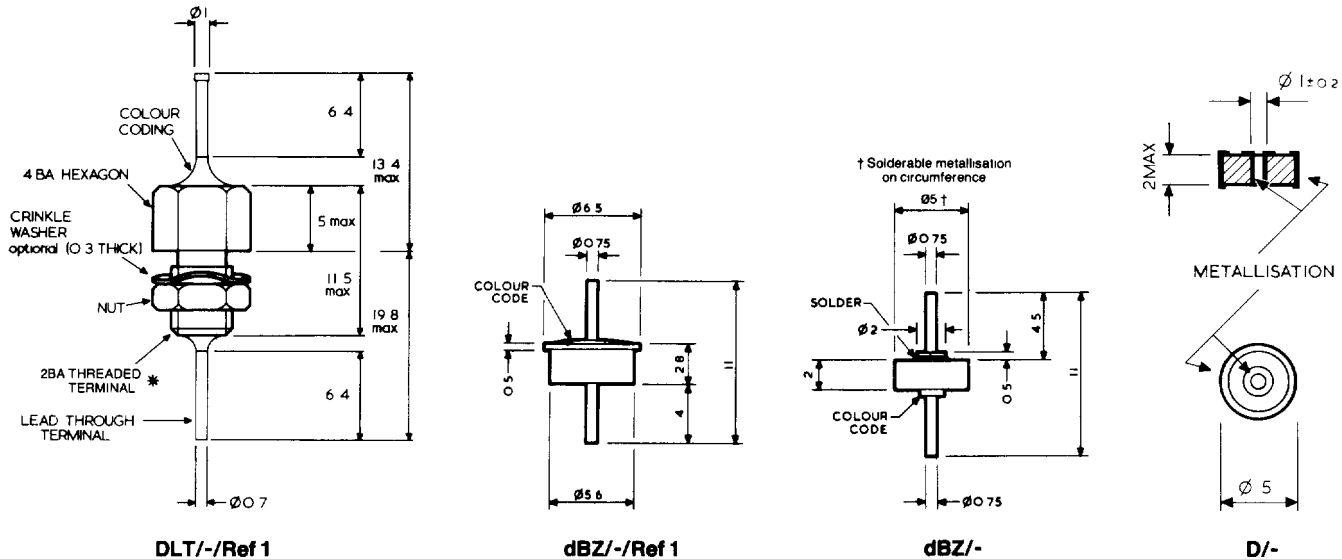


# 100 V.d.c. Filter Capacitors Type: DLT/-, dBZ/-, D/-

## 100 V d.c. Filter Capacitors Types DLT/-, DLT-/Ref 1, dBZ/-, dBZ-/Ref 1, D/-

A range of ceramic feedthrough capacitors, offering low pass filtering characteristics between 100 kHz and 1 GHz. The discoidal arrangement ensures radial current flow, resulting in low self-inductance and resonance-free operation.

Both chassis mounting and solder mounting types are available. Solder mounting types dBZ-/Ref 1 and dBZ/- are assembled with high melting point solder (300°C m.pt.), to provide full compatibility with subsequent soldering operations using 60/40 tin-lead (179°C m.pt.) solder.



Type DLT/- available with wire leads 27mm long  
\* Type DLTM/- also available with M5 x 0.8 thread

Scale 2:1  
Dimensions in mm

## CHARACTERISTICS

Capacitance (pF) (-20% +80%)	Colour Code	Ceramox® Dielectric Code	Maximum Variation Capacitance with temperature	Dissipation factor	Working Voltage (V d c)		Typical Insertion Loss measured in 50 ohm systems (dB)				
					-40 to +85°C	+100°C	0.1	1	F(MHz) 10	100	1000
22 47 100	Black Yellow White	N1400E	± 12%	<1.0%	100	50	—	—	—	3	15
300 470 680 1000 4700 10000 47000	Green Orange Grey Brown Red Blue Light Blue	K3000	+20% -55%	<3.0%	100	50	—	—	2 3 4 9 20 27 41	18 20 22 27 38 44 45	34 40 40 40 53 63 74
100000	Light Brown	K6000	+30% -80%	<3.0%	50	25	2	25	45	57	75

Insulation resistance: 3000 Mohm min.

D.C., low frequency current rating: 10A d.c. - (Types DLT/-, dBZ/-, dBZ-/Ref.1)

## MATERIALS

Dielectric: Ceramox® N 1400E  
Ceramox® K3000  
Ceramox® K6000

Bodies: brass to BS 2874 CZ 121  
Finish: DLT/- tin standard, gold optional  
dBZ-/Ref 1: silver

## QUALIFICATION APPROVALS

BS9075 F006, DEF STAN 59-44/5/2 (Type DLT/-, most values)  
CECC Approvals in progress. Nato stock numbers available on request.

## ORDERING INFORMATION

When ordering please specify Type No. (e.g. DLT/1000/Ref. 1) and capacitance. A crinkle lock washer (BeCuCo with tin finish) is also available for Type DLT/-

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Leaflet No. DLT/7/84