CHIP TYPE FEED THROUGH CAPACITORS [CTH Series]

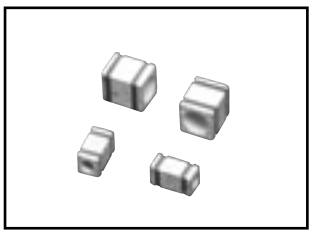
The CTH Series is made of ceramics on which low-resistance multilayer electrodes are formed. The simple structure and high withstanding voltage are suitable for high-frequency noise control in large-current circuits.

■Features

- The structure will hardly allow residual inductance, and the self resonant frequency extends to the microwave band. Ideal for high-frequency noise control.
- The multilayer electrode structure excels in solder heat resistance and solderability. It is also applicable to Pb-free solder.
- RoHS Compliant.

■Applications

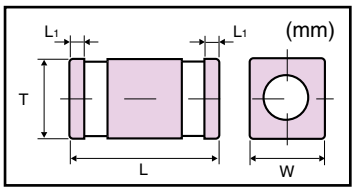
DC power supply lines and signal lines in automotive electronics, base station for mobile telephone, microwave transmission, test equipment, medical apparatus, industrial meter, SW power supply, DC-DC converter etc.



■Part Number System

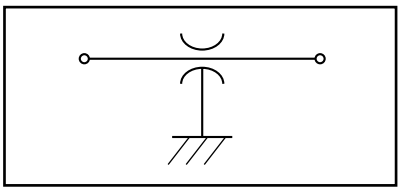
CTH	30	V	222	S	15A	–	T	M
Series	Style 20:2.0×1.25 30:3.2×1.6 32:3.2×2.5 (L) (W)	Temperature characteristics T:+22,−33% R:±15% U:+22,−56% V:+22,−82%	Capacitance	Capacitance tolerance S : +50,−20%	Rated current		Packing form T :Taping B :Bulk	Termination M : Ni-Barrier termination

■Dimensions



Type	L	W	t	L1
CTH20	2.0±0.2	1.25±0.2	1.25±0.2	0.2±0.1
CTH30	3.2±0.2	1.6±0.2	1.6±0.2	0.3±0.2
CTH32	3.2±0.2	2.5±0.2	2.5±0.2	0.3±0.2

■Equivalent circuit

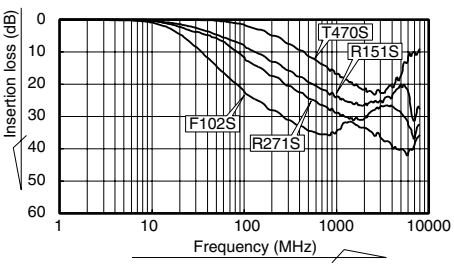


■Part Number List • Specifications

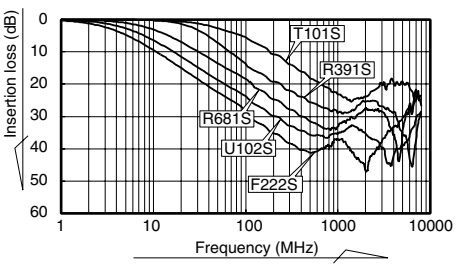
Part number	Capacitance	Capacitance tolerance	Temperature characteristics	Rated voltage	Rated current	IR	DC resistance	Temp. range
CTH20T470S10A-□M	47pF	+50, –20%	+22, –33%	50V DC	10A DC	10,000MΩmin.	5mΩmax.	–25~+ 85°C
CTH20R151S10A-□M	150pF		±15%					–55~+125°C
CTH20R271S10A-□M	270pF							
CTH20V102S10A-□M	1,000pF		+22, –82%					–25~+ 85°C
CTH30T101S15A-□M	100pF		+22, –33%	100V DC	15A DC			–25~+ 85°C
CTH30R391S15A-□M	390pF		±15%					–55~+125°C
CTH30R681S15A-□M	680pF							
CTH30U102S15A-□M	1,000pF		+22, –56%					–25~+ 85°C
CTH30V222S15A-□M	2,200pF		+22, –82%					
CTH32R102S20A-□M	1,000pF		±15%		20A DC			–55~+125°C
CTH32V332S20A-□M	3,300pF		+22, –82%					–25~+ 85°C

■Insertion loss (Reference)

CTH20 TYPE



CTH30 TYPE



CTH32 TYPE

