

Common-Mode Chokes - HCESC Series



These common-mode chokes provide excellent attenuation of asymmetric EMI on signal lines as well as in DC-DC converters, switch-mode power supplies and other high frequency applications

- Applied standards: ECSS-Q-ST-70-02C, MIL-STD-202, DO-160 and ESCC 3201 generic specification for space products
- Surface-mount and through-hole packages
- Suited for IR and vapor reflow soldering
- Frequency range up to 100 MHz
- Operation temperature range: -55 °C to +125 °C
- Weight: 0.7 gram

Electrical Data (25°C)

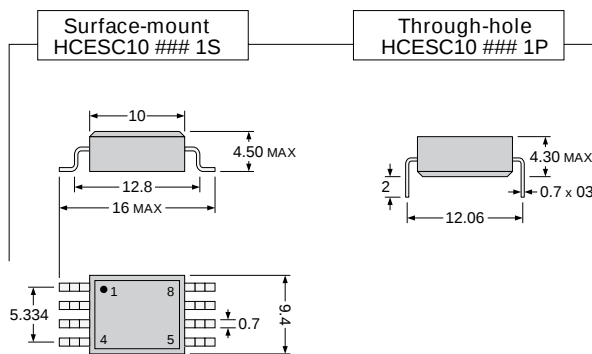
ID Code	Inductance (at 100kHz) μH	Rdc Max (at 80°C) mΩ	Impedance (at 100kHz) Ω	Rated Current max A	Isolation between windings Vrms	Max attenuation on 50Ω dB
HCESC10 15K 1x	15	15	115	2.5	1500	7 (10MHz)
HCESC10 56K 1x	56	55	350	1	1500	15 (8MHz)
HCESC10 M47 1x	470	400	440	0.4	1500	33 (5MHz)

To Order

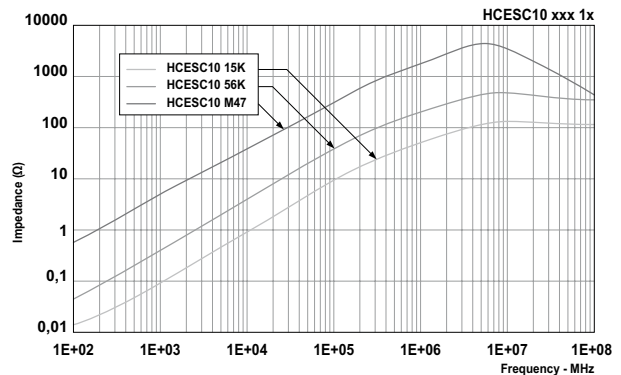
HCESC10 ### 1x

HCESC10	###	1	x
Range	Inductance Value	Version	x = S for Surface mount x = P for through hole

Typical Dimensions (mm)

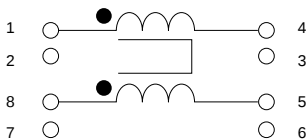


Response Curves



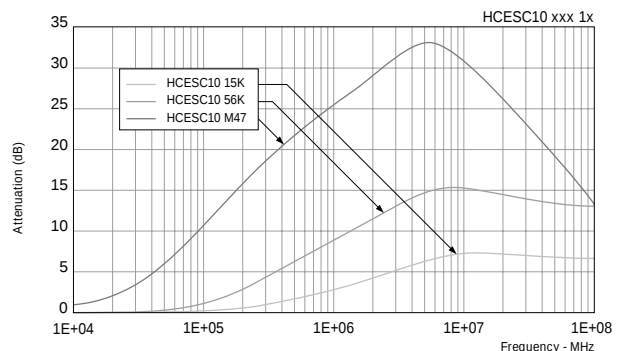
Typical Impedance versus Frequency (@100mV)

Connections



Packaging

Individually packed in a 160x137x55 cardboard box.
40 parts on 2 layers



Typical Attenuation versus Frequency on 50 Ohms (@100mV)

