AT-CUT CRYSTAL UNIT (SMD · Ceramic Package)

IZEN

RoHS Compliant Standard

CS20

2000pcs/reel

FEATURES Reliable ceramic package and excellent Ľ 6, E Life-size

DIMENSION [mm]



STANDARD SPECIFICATIONS

Item	Model	CS20	Conditions
Nominal Frequency	fo	3.5MHz~30.0MHz (Fundamental)	Need to contact us for the available frequency
Frequency Tolerance	∆f/fo	±30ppm	at 25°C
Frequency Tolerance over Operating Temperature Range	∆f/fo	±50ppm	−10°C~+60°C
Operating Temperature Range	TOPR	−40°C ~+85°C	
Storage Temperature Range	TSTR	−55°C~+125°C	
Motional (series) resistance	R1	Refer to the following table	at 25°C
Load capacitance	CL	18.0pF	Need to specify your requirement
Shunt capacitance	Co	7.0pF Max.	
Level of drive	DL	100 <i>µ</i> W.	
Insulation Resistance	IR	500M Ω Min.	DC100V±15V
Aging (first year)	f/fo	±5ppm Max.	25℃±3℃

MOTIONAL (SERIES) RESISTANCE (R1)

Frequency Range	3.5MHz≦f₀<4.0MHz	4.0MHz≦f₀<6.0MHz	6.0MHz≦f₀<10MHz	10MHz≦f₀<14MHz	14MHz≦f₀≦30MHz
R ₁	200 Ω Max.	150 Ω Max.	100 Ω Max.	80 Ω Max.	50 Ω Max.

devices and measuring instruments.

Ava able for wide range of frequency.

mable for various applications such as communication devices, AV devices, automotive

envirenmental characteristics.

