

### New Low-Cost SMD Quartz Crystal HFC-150

Latest, new low-cost SMD quartz crystal, HFC-150, has been launched in the European market.

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This tubular type quartz crystal, with pre-formed lead, features a compact height of 1.6mm, IR reflowable ( 260° C max) and is delivered on a tape and reel.

General specifications are the following:

Item	Specification	Remark
Nominal frequency	32.768 kHz	
Frequency tolerance	$\pm 20$ ppm	
Turnover temperature	$\pm 25$ °C $\pm 5$ °C	
Temperature coefficient	$(-3.5 \pm 0.8) \times 10^{-8}$ °C	
Load capacitance	6.0 / 12.5 pF	
Equivalent series resistance	35 $\Omega$ typ. / 55 k $\Omega$ max.	
Drive level (max)	1.0 $\mu$ W	
Drive level	1.0 $\mu$ W	
Shunt capacitance	0.9 pF typ.	
Aging	$\pm 3$ ppm max	$\pm 25$ °C $\pm 3$ °C, 1st year
Operating temperature range	$-40$ °C to $+85$ °C	
Storage temperature range	$-55$ °C to $+125$ °C	
Solderability	260 °C max. 5 sec., x 2 times	IR reflow



For more details and pricing please contact the sales desk at SIG

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