



## GHz Bandwidth Socket with Torque Indicator

*Socket your Zero Delay PLL Clock Driver using elastomer socket with superior electrical performance*

EAGAN, MN - November, 2012 - Ironwood Electronics has recently introduced a new high performance BGA socket for 0.5mm pitch, 3x7.5mm Clock Driver IC. The SG-BGA-7244 socket is designed for testing Clock Driver BGA device and operates at bandwidths up to 10 GHz with less than 1dB of insertion loss.



The contact resistance is typically 20 milliohms per I/O. The socket connects all pins with 10 GHz bandwidth on all connections. The socket is mounted using supplied hardware on the target PCB with no soldering, and uses smallest footprint in the industry. The socket also incorporates a new quick insertion method using shoulder screws and swivel socket lid so that IC's can be changed out quickly. The socket also features floating compression mechanism to accommodate package manufacturing variations. Another unique feature of the socket is torque indicator that applies repeatable compression force to elastomer. This feature prevents elastomer from damage and lasts for multiple device insertions. The specific package size accommodated by the socket is 0.5mm pitch, 3mm x 7.5mm, 5 x 14 full array BGAs.

The SG-BGA-7244 sockets are constructed with high performance and low inductance gold plated embedded wire on elastomer as interconnect material between device and PCB. The temperature range is -35C to +100 C. The pin self inductance is 0.15 nH and mutual inductance of 0.025 nH. Capacitance to ground is 0.01 pF. Current capacity is 2 amps per pin.

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Download complete Catalogue or Tech. Specifications from our website: [www.bce.it](http://www.bce.it)

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