Precision Bulk Metal® Foil Fixed Resistors

INTRODUCTION

Bulk Metal® Foil technology was developed by Vishay in 1962 as a progression of the Company's strain gage and stress analysis expertise. That technical development evolved into a Fortune 1000 company listed on the New York Stock Exchange that is the largest U.S. and European manufacturer of passive electronic components (resistors, capacitors and inductors) and a major producer of semiconductors (diodes, optoelectronics and transistors) infrared data communication devices (IrDCs), and power and analog switching integrated circuits.

Vishay's components are vital to electronic circuits and can be found in products manufactured in a very broad range of industries worldwide. Products that include Vishay components include telephones, computers, automobiles, video and audio equipment, household appliances, instrumentation, medical equipment, satellites and military and aerospace equipment.

Bulk Metal® Foil Technology still out-performs all other resistor technologies available today for applications that require precision and stability. Its superior performance is a result of the chip resistor element. The chip consists of Bulk Metal® Foil, a homogeneous metal on a ceramic substrate, which has been photo fabricated to a specific pattern. The unique combination of materials and construction provides a combination of resistor characteristics that are unavailable in other technologies. This chip is the building block used for Bulk Metal® Foil products. Various chip sizes and configurations are employed to provide the variations in power, size and other specifications as described in the Bulk Metal® Foil data sheets and on the Vishay web site at www.foilresistors.com.