

KEY PERFORMANCE FEATURES

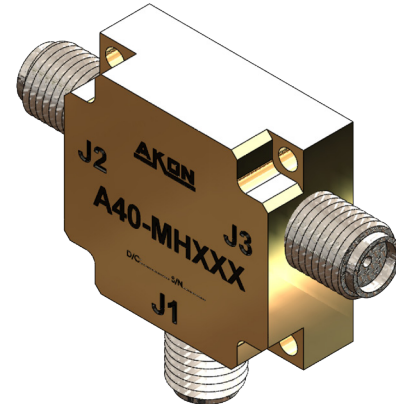
- Low Insertion Loss
- Excellent Amplitude and Phase Balance
- Wide Band Frequency Coverage
- Compact and Ruggedized Packaging
- Package Options: SMA, 2.9mm

PRODUCT DESCRIPTION

AKON's product line of Resistive Microwave Power Dividers/ Power Combiners operate over a frequency range of DC - 40 GHz. AKON utilizes thin film substrates with resistive networks that provide excellent insertion loss, flatness and VSWR. This design construction offers superior amplitude and Phase Balance between output ports.

AKON products are designed to withstand the demanding environments of Military, Space and Industrial applications. Our compact and ruggedized products are designed to handle stringent mechanical shock/vibrations, temperature cycling, altitude and temperature extremes.

Reliability is a key feature of AKON products and to ensure this we perform ESS testing on all of our problems. AKON offers an off-the-shelf screening option called it's "H" series, per Mil-STD-883 level B that is available on all of its RF & Microwave Components. **For custom electrical, mechanical, and screening options, please contact AKON Sales: sales@akoninc.com (or) 408-432-8039.**



SPECIFICATIONS

Model Number	Frequency Range (GHz)	Insertion Loss** (dB)	Output Isolation P to P (dB)	VSWR (max)	Balance		Max Input Power* (dBm)	Pkg.	EAR99/ITAR
					Amplitude (dB)	Phase (°)			
A40-MH050	DC - 40	1.8	13	2.0:1	1	12	30	2.9mm	EAR99
A40-MH051	18 - 40	1.8	13	2.0:1	1	12	30	2.9mm	EAR99
A40-MH052	DC - 20	1.5	13	2.0:1	1	12	30	SMA	EAR99

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All products are measured in 50-ohm system, over a temperature Range of -54° to +85° C.

* Max power @ 2.0:1 MAX VSWR +25° C.

**In addition to 6.0 dB theoretical loss.

OUTLINE DRAWING

