



HYBRID 3dB 90° COUPLERS DB0402 SERIES



[Click Here to View the DB0402 Series Datasheet](#)

BASIC OVERVIEW

Also known as a 3dB Hybrid, or hybrid coupler, this 4-port RF device splits an input signal into two equal amplitude outputs whose phases are shifted by 90°. KYOCERA AVX Thin Film 3dB Hybrid couplers provides a miniature part with excellent high frequency performance in a variety of frequency bands compatible with various types of application such as RF balanced amplifiers and signal distribution. This component is widely used in Heavy Duty Radios and in Precision GPS systems among others application.

APPLICATIONS

- Base Stations
- Automotive
- Industrial
- Wireless LAN's
- Mobile communications
- Satellite TV receivers
- GPS
- Vehicle location systems

GENERAL CHARACTERISTICS

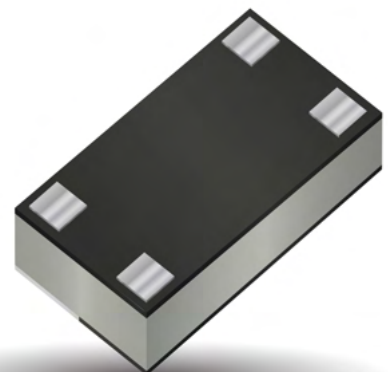
- Sizes: 0402
- Wide Operating Frequency
- Power Handling up to 1W continuous
- Low Insertion Loss 0.5dB
- Excellent amplitude and phase balance
- High Repeatability Part-to-Part and Lot-to-Lot
- Temperature Stability
- Low Profile

KEY SPECIFICATIONS

- Excellent amplitude and Phase balance control
- High Power Handling
- Linearity Improvement
- Cost reduction
- PCB size reduction

TOP SELLING POINTS / CHARACTERISTICS

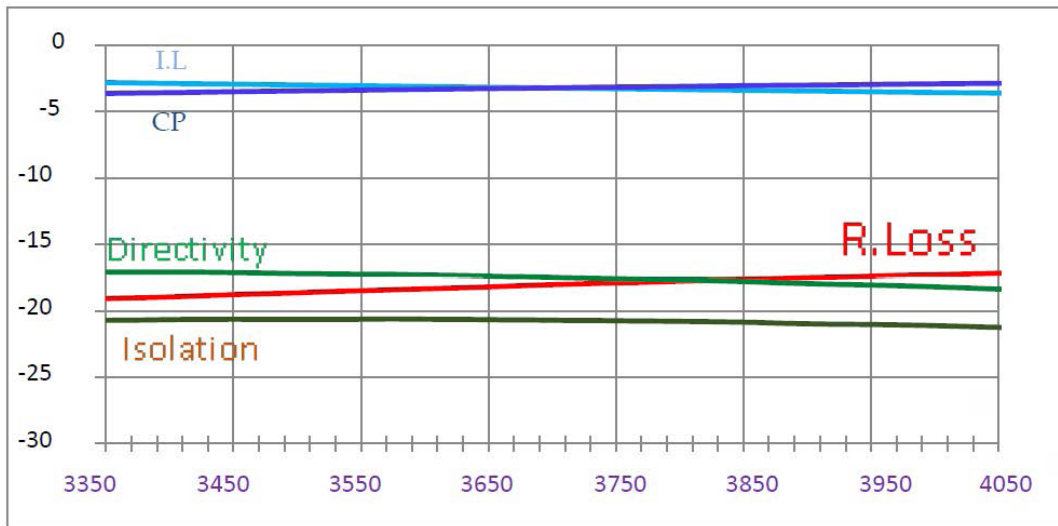
- KYOCERA AVX Thin Film allows quick adjustment of RF parameters.



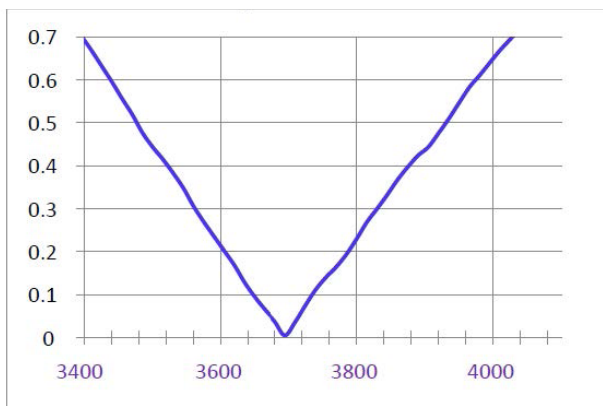


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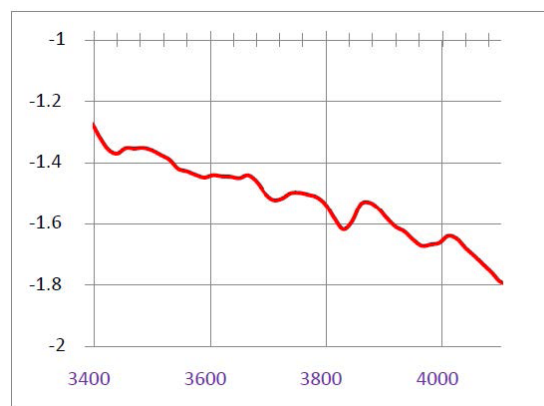
ELECTRICAL CHARACTERISTICS



Amplitude Balance



Phase Balance



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