



# 28GHz High Directivity Couplers

## CP1206 SERIES



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### BASIC OVERVIEW

KYOCERA AVX introduced a new line of miniature couplers for millimeter band (24-32GHz)

The new mmWave couplers based on Thin-Film technology deliver excellent high-frequency performance with low insertion loss and flat coupling in 1206 size.

### ADVANTAGES

- Better Heat Dissipation
- Low Parasitics
- Miniature size (1206)
- Short Lead Time
- Repeatability Lot-to-Lot and Part-to-Part
- Temperature Stability

### APPLICATIONS

- Automotive
- Base Stations
- Consumer
- Emergency Systems
- Satellite Communication
- Test Equipment

### KEY SPECIFICATIONS

Excellent Coupling Factor:  $-18.5 \pm 1$  dB

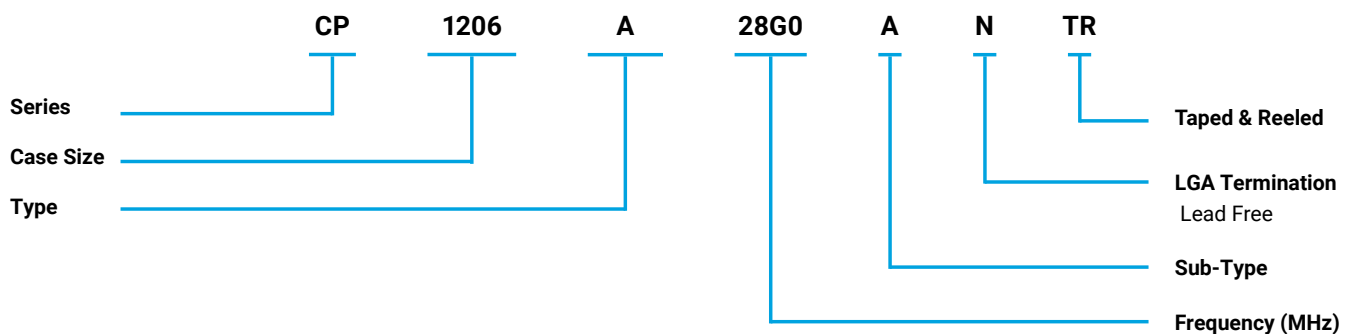
Low Insertion Loss:  $< -0.75$  dB

Operating Frequency: 26.5 - 29.5

Operating Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

Power Handling: 8W Continuous

### HOW TO ORDER



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### TYPICAL PERFORMANCE

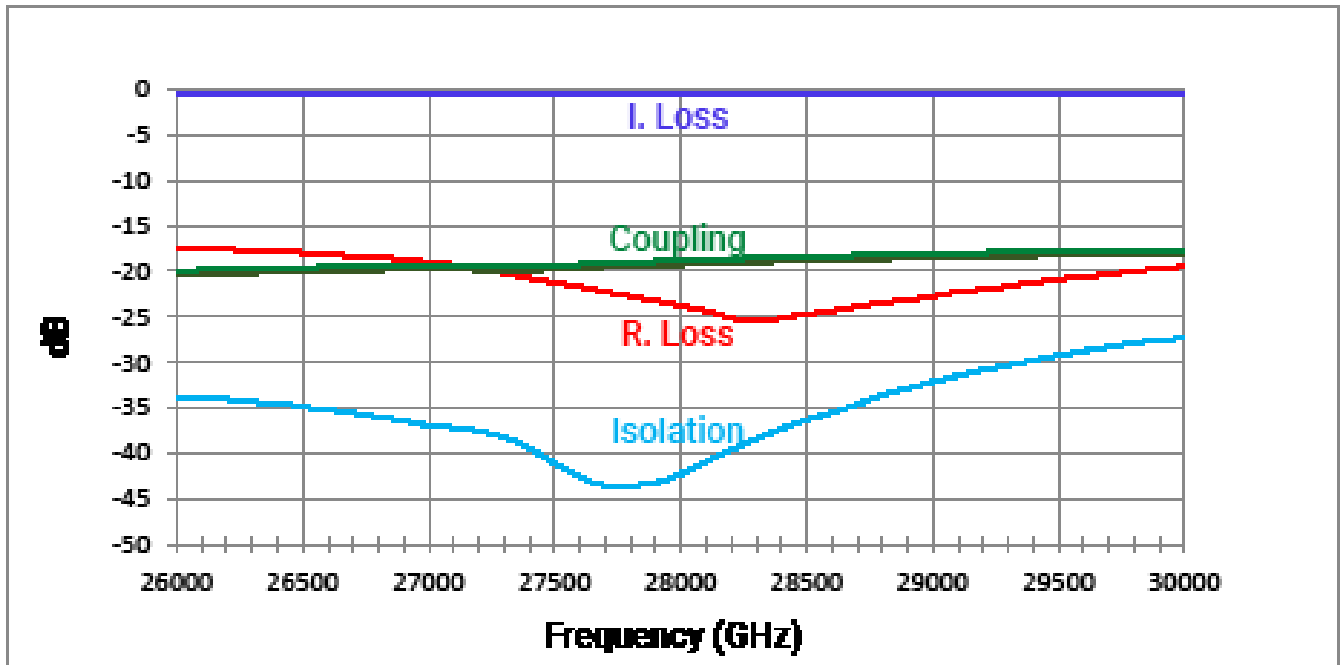


Figure 1 28GHz Coupler TYPICAL PERFORMANCE

### FAQ'S

**Q: Are these components RoHS compliant?**

A: Yes.

**Q: What is the standard lead time?**

A: 14 Weeks.

**Q: What is the standard operating temperature?**

A: Between -40 °C and 85 °C.



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