

76 to 81 GHz Circulator HMC12-387-78.5-5.0



HXI developed a series of products in the 76 to 81 GHz frequency range specifically designed for the testing of automotive integrated circuits and modules.

FEATURES & BENEFITS

- Single part covering the complete band (76.0 to 81.0 GHz)
- Ferrite based junction circulator
- High Isolation
- Low Insertion Loss
- Easy interface to WR-12

Among the products are HXI's waveguide circulators, HMC12-387-78.5-5.0 (WR-12). This product covers the complete band from 76.0 to 81 GHz without the high loss and long insertion length of a faraday-type isolator.

TECHNICAL SPECIFICATIONS

DESCRIPTION	WR-12 Circulator
CENTER FREQUENCY	78.5 GHz
BANDWIDTH	+/- 2.5 GHz
INSERTION LOSS	0.6 dB (typ), 0.9 dB (max)
ISOLATION	20 dB (typ), 16 dB (min)
RETURN LOSS	16 dB (typ)
RF POWER	1.5 watts forward
WAVEGUIDE INTERFACE	WR-12, UG-387/U
TEMPERATURE RANGE	0 to 60 degrees C

12 Lancaster County Road, Harvard, Massachusetts 01451 Tel: (978) 772-7774 FAX: (978) 772-7775

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