

MI-3370 Family of Mixers

Key Features & Benefits

- Replaces the MI-14-11 Series of Mixers to extend the life and performance of the MI-1795 Microwave Receiver
- Frequency Range: 2 to 90 GHz with 1.9 - 4.6 GHz Local Oscillator Frequencies



MI-3372, MI-3373 and MI-3374 Mixers.



MI-3371 Mixer.

Description

MI Technologies' MI-3370 family of mixers provide RF to IF signal conversion for measurement by the MI-1795 Microwave Receiver, one of the fastest and widely used receivers in the microwave test and measurement marketplace.

The new MI-3370 family of mixers replaces the Company's MI-14-11 series, effectively extending the MI-1795

Receiver's useful life and protecting your investment. The Coaxial and Waveguide Mixers provide RF to IF conversion for signals in the 2 to 90 GHz frequency range.

The RF to IF conversion is accomplished by harmonic mixing. This technique permits multi-octave frequency coverage with an octave bandwidth local oscillator.

Frequency multiplexers in the receiver permit a single coaxial cable to carry the local oscillator, IF and mixer current between the mixer and receiver.

The mixer is normally mounted directly to the antenna or device under test. Several models are available; each is designed for broadband operation.

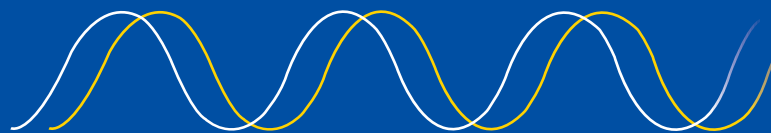
MI -3370 Conversion Chart

Model Number	Replaces
MI -3371	MI -14-11-20
MI -3372	MI -14-11-26
MI -3373	MI -14-11-40
MI -3374	MI -14-11-60
MI -3375	MI -14-11-90



1-800-854-3660

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Product Specifications

Specifications	MI-3371	MI-3372	MI-3373	MI-3374	MI-3375
RF Frequency Range	2 – 20 GHz	18-26 GHz	26-40 GHz	40-60 GHz	60-90 GHz
LO Frequency	1.9-4.6 GHz				
IF Frequency	20-50 MHz				
Max Attenuation (dB) ¹	3	3	3	3	3
Max. Cable Length Ft (meters) ²	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)	15 (4.5)
LO Power Req. (mW)	2-45	1-25	1-25	1-25	1-25
RF Input Flange Type	N-Male	UG595/U	UG599/U	UG383/U (Mod.)	UG387/U
LO/IF Flange Type	N-Female	N-Female	N-Female	N-Female	N-Female
Length (in)	4.0	4.5	4.5	4.5	4.5
Weight (lbs)	0.8	0.5	0.5	0.5	0.5
Ship. Wt. (lbs)	3.0	1.0	1.0	1.0	1.0

Notes:

1. The maximum attenuation and cable length are specified at the highest LO frequency of the receiver. Losses are assumed to be lower at other LO frequencies.
2. Maximum cable lengths for RG-214/U. Longer cable lengths are acceptable for low-loss cable up to the loss limit or length limit, whichever occurs first.
3. Specifications subject to change without notice.

The export of the equipment or components thereof, described herein, or export of the technical data associated with such items, may require the advance approval of the U.S. Government

