## Engineering Development Model

## **Frequency Mixer**

## TFM-ED12701/1

Level 17 (LO Power + 17 dBm)

## **Important Note**

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



Please click "Back", and then click "Contact Us" for Applications support.

**CASE STYLE: B02** 

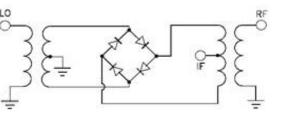
ELECTRICAL SPECIFICATIONS 50Ω @ +25°C						
Parameter		Min.	Тур.	Max.	Units	
Frequency	LO (fL to fU)	10		910	MHz	
	<b>RF</b> (f∟ to f∪)	10		910	MHz	
	IF	10		490	MHz	
Conversion Loss	mid band		6.5		dB	
	Total Range		7		dB	
LO-RF Isolation	Low Range		60		dB	
	Mid Range		52		dB	
	<b>Upper Range</b>		47		dB	
LO-IF Isolation	Low Range		62		dB	
	Mid Range		47		dB	
	<b>Upper Range</b>		32		dB	
Input IP3			+24		dBm	
1 dB Compression	`		+14		dBm	

**Note:** Low Range = [fL to 10fL] mid band = [2fL to fU/2] Mid Range = [10fL to fU/2]

Upper Range = [fu/2 to fu]

MAXIMUM RATINGS				
Operating Temperature	-40°C TO +85°C			
Storage Temperature	-55°C TO +100°C			

PIN CONNECTIONS		
LO	4	
RF	1	
IF	2	
GROUND	3	
CASE GROUND	3	



**Electrical Schematics**