Engineering Development Model

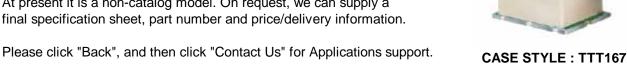
Frequency Mixer

SYM-ED7819/4

Level 21 (LO Power + 21 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.



	ELECTRICAL	L SPECIFICATION	S 50Ω @ +25°C	;	
Parameter		Min.	Тур.	Max.	Units
Frequency	LO (fL to fU)	80		2400	MHz
	RF (f∟ to f∪)	80		2400	MHz
	IF	10		795	MHz
Conversion Loss	mid band		6.8		dB
	Total Range		7.6		dB
LO-RF Isolation	Low Range		54		dB
	Mid Range		49		dB
	Upper Range		37		dB
LO-IF Isolation	Low Range		37		dB
	Mid Range		36		dB
	Upper Range		34		dB
Input IP3			+31		dBm
1 dB Compression			+17		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	2		
RF	1		
IF	3		
GROUND	4,5,6		