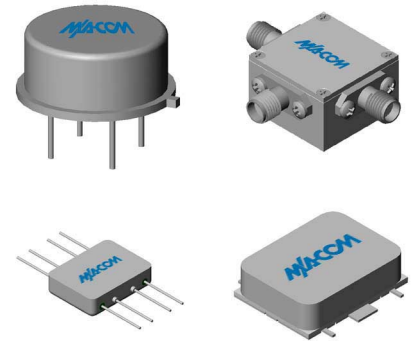




# FD26 / FD26C

# FD26E / SFD26



## FREQUENCY DOUBLER

- INPUT: 50 TO 3300 MHz
- OUTPUT: 100 TO 6600 MHz
- INPUT DRIVE LEVEL +10 dBm (NOMINAL)
- HERMETICALLY-SEALED PACKAGE

### Specifications (Rev. Date: 2/02)\*

Characteristics	Typical	Guaranteed	
		+25°C	-54° to +85°C
Conversion Loss (max.)			
$F_{in} = 50$ to 400 MHz	12.0 dB	14.5 dB	15.0 dB
$F_{in} = 400$ to 2500 MHz	12.0 dB	13.5 dB	14.0 dB
$F_{in} = 2500$ to 3000 MHz	12.5 dB	14.0 dB	14.5 dB
$F_{in} = 3000$ to 3300 MHz	13.5 dB	15.5 dB	16.0 dB
Fundamental Suppression (min.)			
$F_{in} = 50$ to 500 MHz	25 dBc	22 dBc	20 dBc
$F_{in} = 500$ to 3300 MHz	20 dBc	17 dBc	15 dBc
Third Harmonic Suppression			
$F_{in} = 50$ to 200 MHz	25 dBc	22 dBc	20 dBc
$F_{in} = 200$ to 3300 MHz	19 dBc	17 dBc	15 dBc
Input VSWR			
$F_{in} = 50$ to 2500 MHz	1.5:1		
$F_{in} = 2500$ to 3300 MHz	2.0:1		

\*Measured in a 50-ohm system at +25°C with nominal input drive level. Guaranteed conversion loss values for FD26C are 0.5 worse, and only guaranteed from 0°C to 50°C. Typical values are measured at +25°C and are not guaranteed.

### Absolute Maximum Ratings

Operating Temperature	-54° to +100°C
Storage Temperature	-65° to +100°C
Peak Input Power	+23 dBm max. @ +25°, +20 dBm max. @ +100°C

### Outline Drawings

Package	Figure	Model
TO-8	BC	FD26
SMA Connectorized	CD	FD26C
Flatpack	EB	FD26E
Surface Mount	AF	SFD26

Specifications subject to change without notice. • North America: 1-800-366-2266  
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