



# 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 <sub>in</sub> = 50 to 400 MHz F <sub>in</sub> = 400 to 2500 MHz F <sub>in</sub> = 2500 to 3000 MHz F <sub>in</sub> = 3000 to 3300 MHz	12.0 dB 12.0 dB 12.5 dB 13.5 dB	14.5 dB 13.5 dB 14.0 dB 15.5 dB	15.0 dB 14.0 dB 14.5 dB 16.0 dB
Fundamental Suppression (min.) F <sub>in</sub> = 50 to 500 MHz F <sub>in</sub> = 500 to 3300 MHz	25 dBc 20 dBc	22 dBc 17 dBc	20 dBc 15 dBc
Third Harmonic Suppression F <sub>in</sub> = 50 to 200 MHz F <sub>in</sub> = 200 to 3300 MHz	25 dBc 19 dBc	22 dBc 17 dBc	20 dBc 15 dBc
Input VSWR F <sub>in</sub> = 50 to 2500 MHz F <sub>in</sub> = 2500 to 3300 MHz	1.5:1 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