

# Multipliers

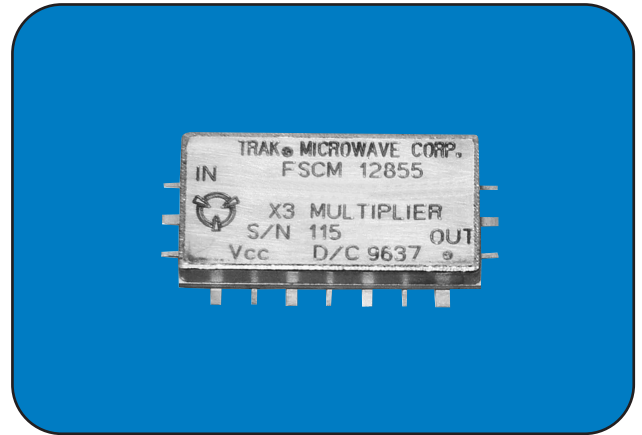
S - Level SMT Multiplier, 250, 300, 312.5 MHz

Model: MUL056



## Features:

- Small SMT Package: < 0.05 cubic inches
- Low DC Power: 0.67 W
- Tape & Reel Compatible
- Withstands + 230° C for Reflow
- Custom Designs Available



## Electrical Specifications

### Input

Operating Freq.: (MHz)	31.25 ± 1 %	50 ± 1 %	100 ± 1 %
Power Level: (typical)	CMOS	CMOS	+ 12 dBm

### Output

Multiplication Factor:	X 10	X 5	X 3
Operating Frequency: (MHz)	312.5	250	300
Power Level: (dBm, typical)	+ 6	+ 10	+ 9
Adjacent Line Spurious: (typ)	- 24 dBc	- 25 dBc	- 30 dBc
DC Power: (all units)	+ 12 V ± 1.5 %		
Current Consumption:	56 mA, nominal		
Power Consumption:	0.67 W, nominal		

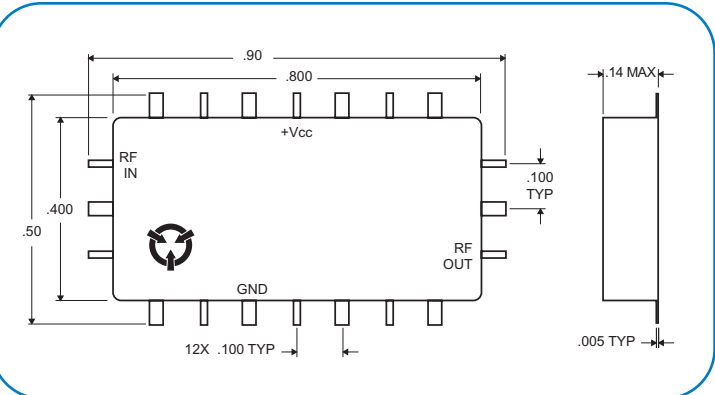
Note 1: Performance may vary over the extended operating temperatures.

## Environmental Specifications

Operating Temperature: - 10 to + 71 °C, baseplate  
 Extended Operating Temp.: <sup>Note 1</sup>  
 - 34 to + 95 °C, baseplate  
 Maximum Reflow Temperature:  
 + 230 °C for 20 seconds  
 Environment: Space

## Mechanical Specifications

Size (excluding pins): 0.8 x 0.4 x 0.14 inches  
 20 x 10 x 4 mm  
 Weight: 0.15 oz (4.3 g), nominal  
 Connectors: Pins



Specifications subject to change without notice.