



SYMBOL	MILLIMETERS		
	MIN.	NOM.	MAX.
A	$\cancel{H}$	2.20	2.60
A <sub>1</sub>	0.40	0.50	0.60
D/E	23.00 BSC		
D <sub>1</sub> /E <sub>1</sub>	21.00 REF		
e	1.00 BSC		
$\phi b$	0.50	0.60	0.70
aaa	$\cancel{H}$	$\cancel{H}$	0.20
ccc	$\cancel{H}$	$\cancel{H}$	0.35
ddd	$\cancel{H}$	$\cancel{H}$	0.30
eee	$\cancel{H}$	$\cancel{H}$	0.10
M	22		

### NOTES:

1. ALL DIMENSIONS AND TOLERANCES CONFORM TO ANSI Y14.5M-1994
2. SYMBOL 'M' IS THE BALL MATRIX SIZE.
3. CONFORMS TO JEDEC MO-151 AAJ-1 (DEPOPULATED)

## 456-BALL FINE PITCH BGA (FG456)